

The EURING exchange-code 2000.

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Heteren, the Netherlands
Vogeltrekstation Arnhem
Dutch Ringing Centre
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And also from the website of the Dutch Ringing Scheme: www.vogeltrekstation.nl

The two former EURING code manuals, '*EURING Code Manual* (1966) and '*Code Manual New EURING*' (1979), can also be downloaded (pdf) from the two websites mentioned above.

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Foreword.

EURING, the European Union for Bird Ringing, was founded in 1963 for the purpose of promoting and facilitating co-operation between the European ringing schemes. One of its first and most difficult tasks was to agree a code whereby ringing recoveries could be committed to punch cards, and it was not until the end of 1966 that the '*EURING Code Manual*' was finally issued. This EURING code, which had been the subject of so much debate, worked well for a decade.

In 1977, during a meeting of EURING in Sopot, Poland, the decision was taken to compile a new code, more suited to new computer requirements and facilities. The initiative for this new code was taken by Dr. Carl Edelstam. A working party consisting of Dr. P. Busse, B. Jacquat, C.J. Mead and B.J. Speek was entrusted with the task of finalizing the new version of the code. In 1979 the '*Code Manual New EURING*' was ready for use and was presented by Robert Spencer, the General Secretary of EURING.

A further revision of the code was suggested by Pertti Saurola at the EURING Board meeting in 1997. A committee (of Jacquie Clark, Pertti Saurola and Rinse Wassenaar) was set up to work on the new code. In 1998 Gerrit Speek became involved in the project and produced a first draft of the new code '*EURING exchange-code 2000*'. The code was circulated round the committee between December 1998 and February 1999, and was sent to all ringing centres in April 1999 before being presented and adopted formally during the EURING General Meeting in September 1999 on Helgoland. During that meeting a committee consisting of Jacquie Clark (Britain & Ireland Ringing Centre), Zenon Rohde (Poland Ringing Centre), Gerrit Speek (Dutch Ringing Centre) and Rinse Wassenaar (EURING databank) was entrusted with the task of finalizing the new version of the code.

On behalf of the committee:

Gerrit Speek

Introduction.

Producing the '*EURING Code Manual*' in 1966 and the '*Code Manual New EURING*' in 1979 was hard work in the 1960's and 1970's and these Manuals have been invaluable in allowing standardisation of coding throughout European ringing schemes. One of the major advantages of the original codes was that they were based on 80 column punch cards and thus provided the first opportunities for automatic processing. Remarkably, the '*Code Manual New EURING*' (1979) is still in use in the year 2000! Perhaps this is a great compliment for the compilers, but the limitation to 80 columns is a major disadvantage in the context of modern database systems. Given advances in computing technology, it is time to update the code and adapt it to modern requirements and opportunities.

Updating the code allows the following improvements: (1) to remove the double and triple notations in one field that was inevitable based on the punch card; (2) to remove the notations "11" and "12", based on the punch card; (3) more drastic is a new way of formatting the data. Currently there are several double notation fields in the EURING-code, with ringing **and** finding data for seven fields (=24 columns) which represents considerable unnecessary use of hard disk-space. Twenty recoveries of the same bird contain 20 identical sets of ringing data.

The basic idea behind the new formatting is this: think about the capture of two birds in a mistnet at the same time, one bird without a ring (= first catch), the other bird is with a ring (= recapture). What is the difference? There is only one difference: the ring was already present or not, that's all. The ringing details are only required once for each bird, so in this code one set of those fields is enough. The first record (catch nr.1) is the first catch of the bird (equal to the "old fashioned" ringing data), the second record (catch nr.2) is the first recapture, etc. So in each record there is one field for the date, one field for the accuracy of date, one field for the place code, one field for the co-ordinates, one field for the quadrant, one field for the status etc. etc.

For example in the old '*Code Manual New EURING*' (1979):

Rec-no.1	Ringing data (with ringing date, -sex, -age etc.)	Recapture 1 (with finding date, -sex, -age etc.)
Rec-no.2	Ringing data (with ringing date, -sex, -age etc.)	Recapture 2 (with finding date, -sex, -age etc.)
Rec-no.3	Ringing data (with ringing date, -sex, -age etc.)	Recapture 3 (with finding date, -sex, -age etc.)
Etc.	Etc.	Etc.

But in the new '*EURING exchange-code 2000*' (2001) :

Rec-no.1	Capture nr.1 with date, sex, age etc. (in this record: ringing data)
Rec-no.2	Capture nr.2 with date, sex, age etc. (in this record: finding data from recapture nr.1)
Rec-no.3	Capture nr.3 with date, sex, age etc. (in this record: finding data from recapture nr.2)
Rec-no.4	Capture nr.4 with date, sex, age etc. (in this record: finding data from recapture nr.3)
Etc.	Etc.

Throughout this codebook:

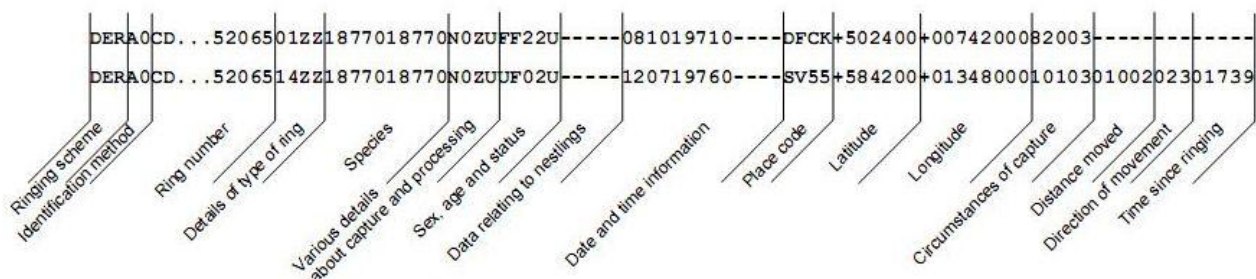
Ø = the number zero;

O = the alphabetic character as in "Oslo".

Yes, that's the opposite of the '*Code Manual New EURING*' (1979).

Exceptions: there are a few names of place-codes in Denmark and Norway with the character Ø.

Record structure in EURING 2000 code:



Replaced / Removed fields, comparing to 'Code Manual New EURING' (1979):

Removed:	Replaced by:
Factors affecting recovery chances	Metal ring information, Other marks information, Manipulated
Verification of identity	Species as concluded by the scheme
Ringing date	Date
Finding date	Date
Accuracy of ringing date	Accuracy of date
Accuracy of finding date	Accuracy of date
Place code of ringing	Place code
Place code of finding	Place code
Geographical co-ordinates of ringing	Geographical co-ordinates
Geographical co-ordinates of finding	Geographical co-ordinates
Quadrant of ringing co-ordinates	Quadrant (included in the co-ordinates)
Quadrant of finding co-ordinates	Quadrant (included in the co-ordinates)
Status on ringing	Status
Status when found	Status
Moult and biometrics on ringing	---
Moult and biometrics on finding	---
Plumage	---
Previous reports	---
Other relatives recovered	---

RINGING SCHEME

alphabetic, three columns (1 - 3)

1. Ringing schemes are here defined as centres issuing rings which, without the specific address, could be confused with rings of other centres.
2. The initial two letters are the country letters from the place code (columns 57 & 58): see that section for further explanation. The final letter indicates the scheme.
3. To avoid using code letters on some extinct, very small or private schemes as well as zoos and avicultural societies, such rings are coded with the first two letters of the main scheme from their country of origin with the third letter X.
 e.g. Mortensen (Denmark) DKX
 e.g. Crampton (England) GBX
4. Schemes believed to be extinct are indicated by **+** in the list.
5. New schemes added, compared to the '*Code Manual New EURING*' (1979), are indicated by **·** in the list.
6. Schemes that have changed name and/or address because of removal, or changes in boundaries are indicated by **X** in the list.

A. All the European schemes listed in order of Country.

NOTE: this list includes all Schemes known to be operating, or to have operated, in Europe. Some of these Schemes are not currently part of EURING. The allocation of a code does not imply being a EURING member.

Country	Scheme	Code	
-----	-----	-----	
• Albania	Tirana	ABT	
Austria	Salzburg +	AUS	
• Belarus	Minsk	BYM	
Belgium	Bruxelles or Brussels	BLB	
	N.F.B.V.V. +	BLN	
	Cogels, Ossendrecht +	BLC	
Bulgaria	Sofia	BGS	
Channel Islands	Jersey	CIJ	
• Croatia (Hrvatska)	Zagreb (Ornit. Inst.)	HRZ	formerly YUZ
CSSR	Praha x	CSP	now CZP and SKB
	Prag Lotos +	CSL	
	Brno Akademia Ved. +	CSB	
Cyprus	Nicosia	CYC	
• Cyprus, North	Kuskor	CYK	
• Czech Republic	Praha	CZP	formerly CSP
	Zoo Praha Bohemia +	CZB	
Denmark	Copenhagen	DKC	
	Kalø +	DKK	
	Viborg Skovgaard +	DKV	
	Viborg Mortensen + (H.C.C.Mortensen 1899-1920)	DKM	
	Odense +	DKO	
	Hellerup + (H. Weis 1917-1918)	DKH	
	Frederikssund + (Holger Pedersen 1921-1931)	DKF	
• Estonia	Matsalu	ETM	formerly SUE
	Tartu Universitas +	ETT	
	Kielkond-Russia +	ETK	
Finland	Helsinki Museum	SFH	
	Helsinki Riista +	SFR	
	Helsingfors + (J.A. Palmen)	SFP	
France	Paris	FRP	
	Strasbourg	FRS	
	Versailles +	FRV	
Germany, DBR&DDR	Wilhelmshaven (Helgoland) x	DFH	now DEW
	Hiddensee x	DDH	now DEH
	Radolfzell / Rossiten x	DFR	now DER
	Radolfzell Süddeutsche Vogelwarte +	DFS	
• Germany	Wilhelmshaven (Helgoland)	DEW	formerly DFH
•	Hiddensee	DEH	formerly DDH
•	Radolfzell	DER	formerly DFR
	Zoo Nuerenberg +	DEN	
	Zoolog. Station Helgoland +	DEZ	
• Greece	Athens	GRA	
Hungary	Budapest	HGB	

	Budapest Museum +	HGM	
Iceland	Reykjavik	ISR	
	Viborg Skovgaard +	DKV	
Italy	Bologna Ozzano (BO)	IAB	
	Bologna Ancona +	IAA	
	Bologna Genova +	IAG	
	Bologna Pisa +	IAY	
	Bologna Sardo (Sardinia) +	IAO	
	Bologna Univ. (Garda Lake) +	IAV	
	Bologna Zool. (Mesola) +	IAM	
	Friuli V.G. +	IAF	
	Roma (Castelfusano) +	IAR	
	Sicilia +	IAL	
• Latvia	Riga	LVR	formerly SUR
• Lithuania	Universite Kaunas Lithuanie (1930-1950) +	LIU	
	Kaunas (Mus Zool Kaunas Lithuania)	LIK	formerly SUK
• Macedonia	Skopje	MKS	
Malta	Valletta	MLV	
Netherlands	Arnhem	NLA	
	Leiden x	NLL	
	All ringing in the Netherlands (starting 1911) is scheme NLA. The scheme "Leiden, NLL" is only used to distinguish a few series identical ringnumbers, used before 1950, from NLA rings.		
Norway	Stavanger	NOS	
	Oslo Museum +	NOO	
	Oslo Univ. +	NOU	
	Ås +	NOA	
	Zoolog. Museum Kristiania +	NOK	
	Tromsø Museum +	NOT	
Poland	Gdansk / Varsovia	PLG	
	Tschammendorf +	PLT	
	Wolin +	PLW	
Portugal	Lisboa	POL	
	Porto +	POP	
Romania	Bucarest	ROB	
	Oradea + (1957-1958)	ROO	
	Oficiul Vanatorilor Regale Sibiu +	ROS	
• Russian Federation	Moskwa	RUM	formerly SUM
•	St. Petersburg	RUP	
• Serbia, Republic of	Belgrade	RSB	formerly YUB
• Slovakia	Bratislava	SKB	formerly CSP
• Slovenia	Ljubljana	SLL	
Spain	Madrid (SEO) +	ESM	
	San Sebastian (Aranzadi)	ESA	
	Sevilla (Biol. Doñana) +	ESE	
	Madrid (ICONA)	ESI	
Sweden	Stockholm Museum, <u>from 1960 onwards</u>	SVS	
	Stockholm Jager +	SVJ	
	Stockholm Ornis +	SVO	
	Stockholm Skansen +	SVN	
	Göteborg +	SVG	
	Stockholm Museum, <u>before 1960</u> +	SVR	
	Lund + (Ekologihuset)	SVX	
	Olov Larsson +	SVL	
Switzerland	Sempach	HES	

• Turkey UK & Ireland	Ankara, University (ODTU KAD ANK TURKEY)	TUA	
	London (British Museum/Thetford)	GBT	
	Wetherby +	GBY	
	Aberdeen (Landsborough Thomson) +	GBB	
	Aberdeen (Grouse study) +	GBG	
	Fordingbridge +	GBD	
	Orielton +	GBR	
	W.A.G.B.I.	GBW	
	London, National Institute Oceanography +	GBO	
	Kiev	UKK	
• Ukraine	Charkov + (Ukrain hunters and fishers union)	UKC	
USSR	Moskwa x	SUM	now RUM
	Kaunas x	SUK	now LIK
	Leningrad +	SUL	
	Riga x	SUR	now LVR
	Matsalu/Tartu x	SUE	now ETM
Yugoslavia	Beograd x	YUB	now RSB
	Zagreb x	YUZ	now HRZ
	Ljubljana x	YUL	now SLL

B. The current European schemes listed in order of Country.

Country	Scheme	Code	
-----	-----	-----	
Albania	Tirana	ABT	
Belarus	Minsk	BYM	
Belgium	Bruxelles or Brussels	BLB	
Bulgaria	Sofia	BGS	
Channel Islands	Jersey	CIJ	
Croatia (Hrvatska)	Zagreb (Ornit. Inst.)	HRZ	formerly YUZ
Cyprus	Nicosia	CYC	
Cyprus, North	Kuskor	CYK	
Czech Republic	Praha	CZP	formerly CSP
Denmark	Copenhagen	DKC	
Estonia	Matsalu	ETM	formerly SUE
Finland	Helsinki Museum	SFH	
France	Paris	FRP	
	Strasbourg	FRS	
Germany	Wilhelmshaven (Helgoland)	DEW	formerly DFH
	Hiddensee	DEH	formerly DDH
	Radolfzell	DER	formerly DFR
Greece	Athens	GRA	
Hungary	Budapest	HGB	
Iceland	Reykjavik	ISR	
Italy	Bologna Ozzano (BO)	IAB	
Latvia	Riga	LVR	formerly SUR
Lithuania	Kaunas (Zool. Mus.)	LIK	formerly SUK
Macedonia	Skopje	MKS	
Malta	Valletta	MLV	
Netherlands	Arnhem	NLA	
Norway	Stavanger	NOS	
Poland	Gdansk / Varsovia	PLG	
Portugal	Lisboa	POL	
Romania	Bucarest	ROB	
Russian Federation	Moskwa	RUM	formerly SUM
	St. Petersburg	RUP	
Serbia, Republic of	Belgrade	RSB	formerly YUB
Slovakia	Bratislava	SKB	formerly CSP
Slovenia	Ljubljana	SLL	
Spain	Madrid (SEO)	ESM	
	San Sebastian (Aranzadi)	ESA	
	Sevilla (Biol. Doñana)	ESE	
	Madrid (ICONA)	ESI	
Sweden	Stockholm Museum, <u>from 1960 onwards</u>	SVS	
Switzerland	Sempach	HES	
Turkey	Ankara, University (ODTU KAD ANK TURKEY)	TUA	
UK & Ireland	London (British Museum/Thetford)	GBT	
	W.A.G.B.I.	GBW	
Ukraine	Kiev	UKK	

C. Non-European schemes in order of Country.

Angola	Luanda	ALL
Australia	Canberra	AAC
Brazil	Brasilia	BAB
Canada	Washington	NAW
China	Beijing	CPB
Egypt	Cairo	EGC
Ghana	Legon	GHL
Hong Kong	Hong Kong	CGH +
India	Bombay	INB
Iraq	Bagdad Univ.	IQB
Iran	Teheran	IPT
Israel	Tel-Aviv Univ.	ILT
Israel	Hebr. University Jerusalem	ILJ +
Japan	Yamashina Inst. O.Z.	JHY
Jordan	Zarqa	JOZ •
Kazakhstan	Almaty	KZA
Kenya	Nairobi	GPN
Lebanon	Beirut (on the ring is 'LIBAN')	LEB •
Malaysia	Kuala Lumpur	FVK
New Zealand	Wellington	AJW
Nigeria	Jos	NVJ +
Pakistan	Lahore	PNL +
Philippines	...	OE. +
USA	Washington	NAW
Saudi Arabia	Rhyiad	ARR
South Africa	Pretoria/Cape Town	FPP
South Korea	Korea	TXS
Taiwan	Taipei	CXT
Tunisia	Tunis	TOT +
Turkey	Ankara	TUA
Zaire	Congo	ZIC +
Zambia	Zambia	ZMZ +

D. All known schemes listed in order of Code.

All know schemes are listed here, including extinct, changed etc., **current schemes are printed bold**.

Code	Country	Scheme
-----	-----	-----
AAC	Australia	Canberra
ABT	Albania	Tirana
AJW	New Zealand	Wellington
ALL	Angola	Luanda
ARR	Saudi Arabia	Rhyiad
AUS	Austria	Salzburg +
BAB	Brazil	Brasilia
BGS	Bulgaria	Sofia
BLB	Belgium	Bruxelles or Brussels
BLC	Belgium	Cogels +
BLN	Belgium	N.F.B.V.V. +
BYM	Belarus	Minsk
CGH	Hong Kong	Hong Kong +
CIJ	Channel Islands	Jersey
CPB	China	Beijing
CSB	Czech Republic	Brno Akademia Ved. +
CSL	Czech Republic	Prag Lotos +
CSP	Czech Republic	Praha x (now CZP)
CXT	Taiwan	Taipei
CZP	Czech Republic	Praha
CZB	Czech Republic	Zoo Praha Bohemia +
CYC	Cyprus	Nicosia
CYK	Cyprus, North	Girne
DDH	Germany	Hiddensee x (now DEH)
DEH	Germany	Hiddensee
DEN	Germany	Zoo Neurenberg +
DER	Germany	Radolfzell
DEW	Germany	Wilhelmshaven (Helgoland)
DEZ	Germany	Zoolog. Station Helgoland +
DFH	Germany	Wilhelmshaven (Helgoland) x (now DEW)
DFR	Germany	Radolfzell / Rossiten x (now DER)
DFS	Germany	Radolfzell Süddeutsche Vogelwarte +
DKC	Denmark	Copenhagen
DKF	Denmark	Frederikssund +
DKH	Denmark	Hellerup +
DKK	Denmark	Kalø +
DKM	Denmark	Viborg Mortensen +
DKO	Denmark	Odense +
DKV	Denmark	Viborg Skovgaard +
EGC	Egypt	Cairo
ESA	Spain	San Sebastian (Aranzadi)
ESE	Spain	Sevilla (Biol. Doñana)
ESI	Spain	Madrid (ICONA)
ESM	Spain	Madrid (SEO)
ETK	Estonia	Kielkond-Russia +
ETM	Estonia	Matsalu
ETT	Estonia	Tartu Universitas +
FPP	South Africa	Pretoria
FRP	France	Paris
FRS	France	Strasbourg
FRV	France	Versailles +
FVK	Malaysia	Kuala Lumpur
GBB	UK	Aberdeen (Landsborough Thomson) +
GBD	UK	Fordingbridge +
GBG	UK	Aberdeen (Grouse study) +
GBO	UK	London, National Institute Oceanography +
GBR	UK	Orielton +
GBT	UK & Ireland	London (British Museum / Tring / Thetford)
GBW	UK	W.A.G.B.I.
GBY	UK	Witherby +
GHL	Ghana	Legon
GPN	Kenya	Nairobi
GRA	Greece	Athens

HES	Switzerland	Sempach
HGB	Hungary	Budapest
HGM	Hungary	Budapest Museum +
HRZ	Croatia	Zagreb (Ornit. Inst.)
IAA	Italy	Bologna Ancona +
IAB	Italy	Bologna Ozzano (BO)
IAF	Italy	Friuli V.G. +
IAG	Italy	Bologna Genova +
IAL	Italy	Sicilia +
IAM	Italy	Bologna Zool. (Mesola) +
IAO	Italy	Bologna Sardo (Sardinia) +
IAR	Italy	Roma (Castelfusano) +
IAY	Italy	Bologna Univ. (Garda Lake) +
ILJ	Israel	Bologna Pisa +
ILT	Israel	Hebr. University Jerusalem +
INB	India	Tel-Aviv Univ.
IPT	Iran	Bombay
IQB	Iraq	Teheran
ISR	Iceland	Bagdad Univ.
JHY	Japan	Reykjavik
JOZ	Jordan	Yamashina Inst. O.Z.
KZA	Kazakhstan	Zarqa
LEB	Lebanon	Almaty
LIK	Lithuania	Beirut (on the ring is 'LIBAN') •
LIU	Lithuania	Kaunas (Zool. Mus.)
LVR	Latvia	Kaunas (Universite) +
MKS	Macedonia	Riga
MLV	Malta	Skopje
NAW	USA + Canada	Valletta
NLA	Netherlands	Washington
NLL	Netherlands	Arnhem
NOA	Norway	Leiden x
NOK	Norway	Ås +
NOO	Norway	Zoolog. Museum Kristiania +
NOS	Norway	Oslo Museum +
NOT	Norway	Stavanger
NOU	Norway	Tromsø Museum +
NVJ	Nigeria	Oslo Univ. +
OE.	Philippines	Jos
PLG	Poland	... +
PLT	Poland	Gdansk / Varsovia
PLW	Poland	Tschammendorf +
PNL	Pakistan	Wolin +
POL	Portugal	Lahore +
POP	Portugal	Lisboa
ROB	Romania	Porto +
ROO	Romania	Bucarest
ROS	Romania	Oradea +
RSB	Serbia, Republic of	Oficiul Vanatorilor Regale Sibiu +
RUM	Russian Federation	Belgrade
RUP	Russian Federation	Moskwa
SFH	Finland	St. Petersburg
SFP	Finland	Helsinki Museum
SFR	Finland	Helsingfors +
SKB	Slovakia	Helsinki Riista +
SLL	Slovenia	Bratislava
SUE	USSR	Ljubljana
SUK	USSR	Matsalu / Tartu x (now ETM)
SUL	USSR	Kaunas x (now LIK)
SUM	USSR	Leningrad +
SUR	USSR	Moskwa x (now RUM)
SVG	Sweden	Riga x (now LVR)
SVJ	Sweden	Göteborg +
SVL	Sweden	Stockholm Jager +
SVN	Sweden	Olov Larsson +
SVO	Sweden	Stockholm Skansen +
SVR	Sweden	Stockholm Ornäs +
SVS	Sweden	Stockholm Museum, before 1960 +
SVX	Sweden	Stockholm Museum
		Stockholm Olov Larsson +

TOT	Tunisia	Tunis +
TUA	Turkey	Ankara
TXS	South Korea	Korea
UKK	Ukraine	Kiev
UKC	Ukraine	Charkov + (Ukrain fishers and hunters union)
YUB	Yugoslavia	Beograd x (now RSB)
YUL	Yugoslavia	Ljubljana x (now SLL)
YUZ	Yugoslavia	Zagreb x (now HRZ)
ZIC	Zaire	Congo +
ZMZ	Zambia	Zambia +

PRIMARY IDENTIFICATION METHOD

alphanumeric, two columns (4 - 5)

This field is to denote the primary method used to identify a bird. Where a metal ring is present, this will **always** be the primary identification method, regardless of what other marks are placed on the bird. With the development of new technology it is likely that, in the future, some birds may be marked by other methods (eg transponders) and will not have metal rings attached. This field anticipates that future need. At present, it is anticipated that the primary identification marker will be a metal ring. When a bird is only marked with another method than the metal ring (primary identification method # AØ), and on a next catch a metal ring is added, the primary identification method must be changed to AØ and also on previous records of this bird.

The code in this field will be the same on any capture of a bird. It will not change if a secondary marker is added to a bird. It is essential that a bird is identified by the same method and number throughout its life. At present, if a bird is re-ringed, the number of the first ring is retained as the birds identifier. This allows any record for an individual to be easily linked together. In the same way if, in the future, the primary identifier is changed, that bird will continue to be identified by the first identifier it had.

- AØ Metal ring.
- BØ Coloured or numbered legging(s).
- CØ Coloured or numbered neckring(s).
- DØ Wingtags.
- EØ Radio tracking device.
- FØ Satellite tracking device.
- GØ Transponder.
- HØ Nasal mark(s).
- RØ Flight feather(s) stamped with a number.
- TØ Body- or wing painting.

IDENTIFICATION NUMBER

alphanumeric, ten columns (6 - 15)

1. Ring number, consisting of up to ten figures and/or letters, to be coded directly into the ten columns. Where the ring number consist of less than ten figures/letters the additional columns to be coded as follows:

All figures	Right adjusted.	12345 Ø123456712345 ..Ø1234567
Letters / figures	Letters left adjusted. Figures right adjusted.	A1234 AB6789	A.....1234 AB....6789
Figures / letters / figures	Letters and preceding figures left adjusted. Other figures right adjusted.	1A2345 23E456 1AB4567	1A....2345 23E....456 1AB...4567
Figures / letters	Right adjusted.	12345X 56789AB12345X ...56789AB
Letters / figures / letters / figures	Always insert the dots left of the rightmost row of figures	B1A2345 F234Z567	B1A...2345 F234Z..567

2. **The figure Ø (zero) is only to be typed where it actually appears on a ring number.**
3. When part of the ring number is unknown (worn ring, incomplete number reported etc.) the missing parts of the ring number are to be typed '-'. Thus if the 5 has worn of a ring AB12345 (or the number is covered by an overlap) it should be coded as AB...1234-
4. Every recovery of any individual bird should ALWAYS have the original ring number placed on that bird as the number coded here. This applies through all subsequent replacements of the ring, whether by the scheme originally ringing the bird or by any other scheme.
5. If a metal ring is added on first capture the identification number will always be the metal ring number. If a bird is not metal ringed on first capture but is identified in another way (primary identification method # AØ), a unique number relating to that bird must be entered in this field. That unique number is representing a not-present-metal-ring-number. It must be a unique number because this identification number is unique for database reasons. That unique number must be allotted by the national scheme. It is recommended to start that unique number with the characters "NMR" (meaning "not a metal ring") and then followed by seven numbers. For example: NMRØØØØØØØ1. It is recommended that the Scheme and ringer agree this unique number that will be used to identify the bird throughout its life.

VERIFICATION OF THE METAL RING

numeric, one column (16)

Ø Ring NOT verified by scheme.

1 Ring verified by scheme.

NOTE 1.

Ring verification may be by the ring being sent or a photograph, photocopy, rubbing or carbon copy being available. Records should also be marked as verified if the ring has been seen by the ringing scheme but subsequently returned to the finder.

NOTE 2.

On the ringing data code this field as: Ø = Ring not verified by the scheme.

METAL RING INFORMATION

numeric, one column (17)

- Ø Metal ring is **not present**.
- 1 Metal ring **added** (where no metal ring was present), position (on tarsus or above) unknown.
- 2 Metal ring **added** (where no metal ring was present), definitely on tarsus.
- 3 Metal ring **added** (where no metal ring was present), definitely above tarsus.
- 4 Metal ring is **already present**.
- 5 Metal ring **changed**.
- 6 Metal ring **removed**.
- 7 Metal ring **added, where already a metal ring was present**. N.B. within EURING there is an explicit agreement that ringers must not add a metal ring when one is already present (except in circumstances where the existing ring needs to be replaced because of wear).

OTHER MARKS INFORMATION (not a conventional metal ring)

alphabetic, 2 columns (18 - 19)

ZZ No other marks present or not known to be present.

Permanent marks:

- BB Coloured or numbered leg-ring(s) or flags added.
- BC Coloured or numbered leg-ring(s) or flags already present.
- BD Coloured or numbered leg-ring(s) or flags removed.
- BE Coloured or numbered leg-ring(s) or flags changed.

- CB Coloured or numbered neck-ring(s) added.
- CC Coloured or numbered neck-ring(s) already present.
- CD Coloured or numbered neck-ring(s) removed.
- CE Coloured or numbered neck-ring(s) changed.

- DB Coloured or numbered wingtag(s) added.
- DC Coloured or numbered wingtag(s) already present.
- DD Coloured or numbered wingtag(s) removed.
- DE Coloured or numbered wingtag(s) changed.

- EB Radio-tracking device added.
- EC Radio-tracking device already present.
- ED Radio-tracking device removed.
- EE Radio-tracking device changed.

- FB Satellite-tracking device added.
- FC Satellite-tracking device already present.
- FD Satellite-tracking device removed.
- FE Satellite-tracking device changed.

- GB Transponder added.
- GC Transponder already present.
- GD Transponder removed.
- GE Transponder changed.

- HB Nasal mark(s) added.
- HC Nasal mark(s) already present.
- HD Nasal mark(s) removed.
- HE Nasal mark(s) changed.

Temporary marks:

- RB Flight feathers stamped with the ring number: mark added.
- RC Flight feathers stamped with the ring number: mark already present.
- RD Flight feathers stamped with the ring number: mark removed.
- RE Flight feathers stamped with the ring number: mark changed.

- SB Tape on the ring: added.
- SC Tape on the ring: already present.
- SD Tape on the ring: removed.

SE Tape on the ring: changed.

TB Dye mark added.

TC Dye mark already present.

TD Dye mark removed.

TE Dye mark changed.

Others:

MM More than one mark present.

OM Other mark(s) present.

OP Other permanent mark(s) present.

OT Other temporary mark(s) present.

SPECIES and SUBSPECIES, as mentioned by the person who handled the bird.

numeric, five columns (20 - 24)

Columns 20-23 identify the species and column 24 the subspecies.

The purely numeric code for species is derived from the sequential numbering of:

Voous K.H. 1977. *List of Recent Holarctic Bird Species*. Published for The British Ornithologists' Union by Academic Press.

Sub-species have been derived from the two volumes by:

Vaurie C. 1959. *The Birds of the Palearctic Fauna, Passeriformes*. H.F. & G. Witherby, London.

Vaurie C. 1965. *The Birds of the Palearctic Fauna, Non-Passeriformes*. H.F. & G. Witherby, London.

Exact spelling of scientific birdnames is according to 1) Voous and 2) Vaurie.

NOTE 1.

Column 24 (sub-specific determination) should be used only where the bird has been recognized by the ringer (or finder) as being of the particular subspecies given and not simply allotted to a particular subspecies because of the place or date of capture.

NOTE 2.

Because sometimes birds do fly beyond their known range, because opinions about taxonomy change now and then, and because birdringers do travel outside the holarctic area, this list of birds has to be enlarged regularly. Creating this version of the EURING code started the discussion about the need of a recent bird world-list. Some time was spent on that subject but the decision was made to postpone the implementation of such a list.

A bird species is not always and forever a bird species. Scientists gather new information, and now and then one species becomes two species or two species become one species. Scientists disagree on lumping and splitting. As a result, lists of bird species may consist of from 9200 to 10100 species of birds of the world. Another consequence of new information is that the zoological, Latin, name of a bird changes when the bird is considered to belong to another genus than before. Another exciting thing is the discovery of birds new to science. There is no such thing as *the* world listing of bird species. The three recently most known lists [Clements (2000), Howard & Moore (2003) and Sibley & Monroe (1990)] differ greatly on number and sequence of families.

The list (and the spelling of birdnames) presented here is still based on 1) Voous and 2) Vaurie. Any addition to this list is, when possible, based on 1) Voous and 2) Vaurie.

NOTE 3.

There are countless numbers of hybrids and intermediates. It's impossible to give them all an individual code-number. The EURINGcode does treat them all the same: 24998: hybrids or intermediates.

But at the end of the year 2007 the ringing of a Pleskes Tit (and the loss of information when coding it as 24998) was the reason to introduce a few codes for hybrids (code 90000 and above).

NOTE 4.

As mentioned above: when enlarging this species-list EURING does follow Voous (1977) and Vaurie (1959, 1965), but when those two doesn't give the solution, help is found in:

- Clements F.F. 2000. *Birds of the World. A Checklist*. Ibis Publishing Company, Vista, CA, USA. ISBN 0-934797-16-1.
- Howard R. & Moore A. 2003. *Complete checklist of the Birds of the World*. 3e Edition. London, Helm. ISBN 0-7136-6536-X.
- Sibley C.G. & Monroe B.L. 1990. *Distribution and Taxonomy of Birds of the World*. New Haven, Yale University Press. ISBN 0-300-04969-2.

- Sibley C.G. & Monroe B.L. 1993. *A Supplement to Distribution and Taxonomy of Birds of the World*. New Haven, Yale University Press. ISBN 0-300-05549-8.
- Wells M.G. 1998. *World Bird Species Checklist*. Worldlist, Bushey, UK. ISBN 0-9532420-0-5.

NOTE 5.

In May 2008 a more specific subdivision has been made:

- 00000 - 49999: reserved for Euring bird species;
- 50000 - 50630: European bats
- 50640 - 59999: for the time being: reserved for a world list of bats
- 60000 - 64999: sea-mammals world list
- 65000 - 69999: reserved for personal use (schemes or others)
- 70000 - 79999: reserved
- 80000 - 89999: reserved
- 90000 - 90162: Euring bird species: hybrids and intermediates
- 90163 - 94999: reserved for Euring bird species: hybrids and intermediates
- 95000 - 99998: reserved
- 99999: ring destroyed or lost

NOTE 6.

Columns 20-23 identify the species and column 24 the subspecies. BUT not when column 24 has a '9'. In that case a group is mentioned (*Ardea* sp., *Larus* sp.).

Remark.

Do you want to code a bird and it's not in the list:

e-mail your request to: vogeltrekstation@nioo.knaw.nl

**SPECIES and SUBSPECIES,
as concluded by the scheme.**

numeric, five columns (25 - 29)

Coding this field is the same as in the previous field.

NOTE.

The importance of this field is to confirm if the Scheme considers the species, given by the person who handled the bird, is correct or not.

Species in alphabetic order:

24997	Cage & exotic birds	90011	Ø1600 x Ø1670 (A.e.male x B.l.female)	12480	Acrocephalus dumetorum
24998	Hybrids & intermediates	90020	Ø1610 x Ø1660 (A.a. x B.c., sex of parents unknown)	30050	Acrocephalus gracilirostris
99999	Ring destroyed or lost	90021	Ø1610 x Ø1660 (A.a.male x B.c.female)	12410	Acrocephalus melanopogon
24995	Species not accepted	90030	Ø1620 x Ø1670 (A.i. x B.l., sex of parents unknown)	12411	Acrocephalus melanopogon melanopogon
00000	Species unknown	90031	Ø1620 x Ø1670 (A.i.male x B.l.female)	12420	Acrocephalus paludicola
		90022	Ø1660 x Ø1610 (B.c.male x A.a.female)	12500	Acrocephalus palustris
		90040	Ø1660 x Ø1670 (B.c. x B.l., sex of parents unknown)	30060	Acrocephalus rufescens
02749	Accipiter sp.	90041	Ø1660 x Ø1670 (B.c.male x B.l.female)	12430	Acrocephalus schoenobaenus
12549	Acrocephalus sp.	90012	Ø1670 x Ø1600 (B.l.male x A.e.female)	12510	Acrocephalus scirpaceus
09799	Alauda sp.	90032	Ø1670 x Ø1620 (B.l.male x A.i.female)	12512	Acrocephalus scirpaceus fuscus
01949	Anas sp.	90042	Ø1670 x Ø1660 (B.l.male x B.c.female)	12511	Acrocephalus scirpaceus scirpaceus
01659	Anser spp.	90050	Ø1860 x domesticated duck (A.p. x 'domesticus', sex of paren	12440	Acrocephalus sorgophilus
10159	Anthus spp.	90060	Ø3200 Falco peregrinus hybrid	12549	Acrocephalus sp.
08009	Apus spp.	90070	Ø3320 x Ø3350 (T.t. x T.u., sex of parents unknown)	12520	Acrocephalus stentoreus
02979	Aquila sp.	90071	Ø3320 x Ø3350 (T.t.male x T.u.female)	14120	Actinodura nipalensis
01259	Ardea sp.	90072	Ø3350 x Ø3320 (T.t.male x T.t.female)	05560	Actitis hypoleucos
02059	Aythya sp.	90090	Ø5920 x Ø5927 (L.a. x L.a.c., sex of parents unknown)	05570	Actitis macularia
06429	Brachyramphus sp.	90090	Ø5920 x Ø5927 (L.a.male x L.a.c.female)	30070	Actophilornis africanus
01699	Branta sp.	90080	Ø5920 x Ø5990 Nelson's Gull (L.a. x L.h., sex of parents unk	00130	Aechmophorus occidentalis
02919	Buteo spp.	90081	Ø5920 x Ø5990 Nelson's Gull (L.a.male x L.h.female)	14370	Aegithalos caudatus
05129	Calidris spp.	90092	Ø5927 x Ø5920 (L.a.c.male x L.a.female)	14371	Aegithalos caudatus caudatus
07839	Caprimulgus spp.	90082	Ø5990 x Ø5920 Nelson's Gull (L.h.male x L.a.female)	14374	Aegithalos caudatus europaeus
16649	Carduelis spp.	90100	Ø9920 x 10010 (H.r. x D.u., sex of parents unknown)	14373	Aegithalos caudatus japonicus
06409	Cephus spp.	90101	Ø9920 x 10010 (H.r.male x D.u.female)	14375	Aegithalos caudatus rosaceus
04839	Charadrius sp.	90102	10010 x Ø9920 (D.u.male x H.r.female)	14372	Aegithalos caudatus sibiricus
06289	Chlidonias sp.	90110	11210 x 11220 (P.o. x P.p., sex of parents unknown)	14360	Aegithalos concinnus
01349	Ciconia sp.	90111	11210 x 11220 (P.o.male x P.p.female)	14320	Aegithalos fuliginosus
02649	Circus sp.	90112	11220 x 11210 (P.p.male x P.o.female)	14330	Aegithalos iouschistos
06829	Columba sp.	90120	12510 x 12530 (A.s. x A.a., sex of parents unknown)	14350	Aegithalos leucogenys
15749	Corvus sp.	90121	12510 x 12530 (A.s.male x A.a.female)	14340	Aegithalos niveogularis
01559	Cygnus sp.	90122	12530 x 12510 (A.a.male x A.s.female)	07710	Aegolius acadicus
08979	Dendrocopos sp.	90140	13480 x 13490 (F.a. x F.h., sex of parents unknown)	07700	Aegolius funereus
01219	Egretta sp.	90141	13480 x 13490 (F.a.male x F.h.female)	02550	Aegypius monachus
18819	Emberiza sp.	90142	13490 x 13480 (F.h.male x F.a.female)	30080	Aenigmatolimnas marginalis
20439	Estrilda sp.	90151	14620 x 14530 Pleske's Tit (P.ca.male x P.cy.female)	08010	Aeronautes saxatilis
03219	Falco sp.	90152	14630 x 14620 Pleske's Tit (P.ca. x P.cy., sex of parents un	06490	Aethia cristatella
16389	Fringilla sp.	90160	16540 Carduelis spinus hybrid	06510	Aethia pusilla
09739	Galerida sp.			06500	Aethia pygmaea
00059	Gavia sp.	12790	Abroscopus albugularis	14960	Aethopyga gouldiae
04689	Glareola sp.	12800	Abroscopus schisticeps	14980	Aethopyga ignicauda
04409	Grus sp.	02720	Accipiter badius	14970	Aethopyga nipalensis
12609	Hippolais sp.	02730	Accipiter brevipes	30090	Agapornis pullarius
10019	Hirundinidae	30010	Accipiter castanilius	26720	Agelaius cyanopus
15249	Lanius sp.	02740	Accipiter cooperii	19100	Agelaius humeralis
06009	Larus sp.	30020	Accipiter erythropus	19090	Agelaius phoeniceus
05659	Limicolae	02670	Accipiter gentilis	19080	Agelaius tricolor
12399	Locustella sp.	30030	Accipiter melanoleucus	30100	Agelastes niger
20459	Lonchura sp.	02690	Accipiter nisus	18110	Aimophila aestivalis
16689	Loxia sp.	02692	Accipiter nisus nisosimilis	18070	Aimophila belli
11129	Luscinia sp.	30040	Accipiter ovampensis	18060	Aimophila bilineata
02239	Mergus sp.	02710	Accipiter soloensis	18090	Aimophila botteri
02399	Milvus sp.	02749	Accipiter sp.	18130	Aimophila carpalis
10239	Motacilla sp.	02700	Accipiter striatus	18100	Aimophila cassinii
13369	Muscicapa sp.	23200	Accipiter tachiro	18080	Aimophila mystacalis
05439	Numenius sp.	02680	Accipiter virgatus	18120	Aimophila quinquestrata
00639	Oceanodroma sp.	15890	Acridotheres cristatellus	18150	Aimophila rufescens
11589	Oenanthe sp.	15880	Acridotheres ginginianus	18140	Aimophila ruficeps
14669	Parus sp.	15870	Acridotheres tristis	01780	Aix galericulata
16009	Passer sp.	12540	Acrocephalus aedon	01770	Aix sponsa
00919	Pelecanus sp.	12470	Acrocephalus agricola	09580	Alaemon alaudipes
03699	Perdix sp.	12530	Acrocephalus arundinaceus	09760	Alauda arvensis
00849	Phalacrocorax sp.	12531	Acrocephalus arundinaceus arundinaceus	09750	Alauda gulgula
11289	Phoenicurus sp.	12532	Acrocephalus arundinaceus griseldis	09770	Alauda razae
13129	Phylloscopus sp.	20900	Acrocephalus baeticatus	09799	Alauda sp.
00129	Podiceps sp.	12450	Acrocephalus bistrigiceps	06360	Alca torda
04169	Porzana sp.	12490	Acrocephalus brevipennis	08310	Alcedo atthis
10949	Prunella sp.	12460	Acrocephalus concinens	30110	Alcedo coeruleus
00499	Puffinus sp.			30120	Alcedo cristata
13169	Regulus sp.			30130	Alcedo leucogaster
99999	Ring destroyed or lost			30140	Alcedo quadribrachys
11429	Saxicola sp.			14230	Alcippe brunnea
02089	Somateria sp.			14180	Alcippe castaneiceps
05709	Stercorarius sp.			14160	Alcippe chrysolis
06259	Stema sp.			14170	Alcippe cinerea
06919	Streptopelia sp.			14220	Alcippe cinereiceps
07719	Strigidae			14240	Alcippe morrisonia
07669	Strix sp.			14210	Alcippe ruficapilla
15859	Sturnus sp.			14200	Alcippe striatocollis
12779	Sylvia sp.			14190	Alcippe vinipectus
12069	Turdus sp.			03590	Alectoris barbara
06359	Unia sp.			03550	Alectoris chukar
15049	Zosterops sp.			03570	Alectoris graeca
				03560	Alectoris magna
90010	Ø1600 x Ø1670 (A.e. x B.l., sex of parents unknown)			03610	Alectoris melanocephala
				03600	Alectoris philbyi
				03580	Alectoris rufa

30150	Alethe diademata	01631	Anser caerulescens caerulescens	02970	Aquila verreauxii
06470	Alle alle	01650	Anser canagicus	30540	Aquila wahlbergi
01700	Alopochen aegyptiacus	01560	Anser cygnoides	04320	Aramus guarauna
30160	Amadina fasciata	01600	Anser erythropus	07070	Aratinga holochlora
20250	Amandava amandava	01570	Anser fabalis	26750	Aratinga leucophthalmus
16170	Amandava subflava	01571	Anser fabalis fabalis	03750	Arborophila rufipetris
04220	Amauornis akool	01572	Anser fabalis jonanseni	03740	Arborophila rufogularis
26460	Amauornis flavirostris	01573	Anser fabalis neglecticus	03730	Arborophila torquola
04230	Amauornis phoenicurus	01574	Anser fabalis rossicus	08160	Archilochus alexandri
08070	Amazilia beryllina	01620	Anser indicus	08180	Archilochus anna
08090	Amazilia tzacatl	01640	Anser rossii	08150	Archilochus colubris
08100	Amazilia violiceps	01659	Anser spp.	08170	Archilochus costae
08080	Amazilia yucatanensis	30310	Anthoscopus flavifrons	01220	Ardea cinerea
07110	Amazona leucocephala	30320	Anthoscopus parvulus	01250	Ardea goliath
26690	Amazona oratrix	30330	Anthoscopus punctifrons	01230	Ardea herodias
30170	Amblyospiza albifrons	25100	Anthreptes collaris	30550	Ardea intermedia (=01200 E.i.)
18320	Ammodramus baileyi	30340	Anthreptes fraseri	20310	Ardea melanocephala
18270	Ammodramus bairdii	30350	Anthreptes gabonicus	01240	Ardea purpurea
18300	Ammodramus caudacutus	30360	Anthreptes longuemarei	01259	Ardea sp.
18330	Ammodramus henslowii	14920	Anthreptes metallicus	01020	Ardeirallus sturmii
26730	Ammodramus humeralis	14910	Anthreptes platyrus	01100	Ardeola bacchus
18290	Ammodramus leconteii	30370	Anthreptes rectirostris	01090	Ardeola grayii
18310	Ammodramus maritimus	04410	Anthropoides virgo	01080	Ardeola ralloides
18260	Ammodramus sandwichensis	27780	Anthus antarcticus	30560	Ardeola rufiventris
18280	Ammodramus savannarum	10060	Anthus berthelotii	04450	Ardeotis arabs
09550	Ammomanes cincturus	10050	Anthus campestris	05610	Arenaria interpres
09570	Ammomanes deserti	10120	Anthus cervinus	05620	Arenaria melanocephala
09560	Ammomanes phoenicurus	30380	Anthus cinnamomeus	20370	Argya fulva (= 13800 Turdoides fulvus)
03620	Ammoperdix griseogularis	10040	Anthus godlewskii	26760	Arremon taciturnus
03630	Ammoperdix heyi	10100	Anthus gustavi	17960	Arremonops rufivirgatus
30180	Anaplectes rubriceps	26740	Anthus hellmayri	07690	Asio capensis
01890	Anas acuta	10080	Anthus hodgsoni	07680	Asio flammeus
01800	Anas americana	30390	Anthus leucophrys	07670	Asio otus
01900	Anas bahamensis	10110	Anthus pratensis	08710	Asyndesmus lewis
28030	Anas bernieri	10020	Anthus richardi	07580	Athene brama
01850	Anas capensis	10130	Anthus roseatus	07590	Athene cunicularia
01940	Anas clypeata	10070	Anthus similis	07570	Athene noctua
01840	Anas crecca	10140	Anthus spinoletta	26100	Atlapetes pallidiceps
01842	Anas crecca carolinensis	10143	Anthus spinoletta littoralis	17940	Atlapetes pileatus
26570	Anas crecca carolinensis (=01842)	10142	Anthus spinoletta petrosus	17950	Atlapetes torquatus
01841	Anas crecca crecca	10144	Anthus spinoletta rubescens	08200	Atthis heloisa
01843	Anas crecca nimia	10141	Anthus spinoletta spinoletta	26770	Attila bolivianus
01930	Anas cyanoptera	10159	Anthus spp.	14890	Auriparus flaviceps
01920	Anas discors	10150	Anthus spragueii	30570	Aviceda cuculoides
28000	Anas erythrorhyncha	10030	Anthus sylvanus	02050	Aythya affinis
01810	Anas falcata	10090	Anthus trivialis	01990	Aythya americana
01830	Anas formosa	28020	Anumbius annumbi	02010	Aythya baeri
27770	Anas georgica	30400	Apalis cinerea	02000	Aythya collaris
27771	Anas georgica georgica	30410	Apalis flavida	01980	Aythya ferina
27772	Anas georgica spinicauda	30420	Apalis jacksoni	02030	Aythya fuligula
30190	Anas hottentota	30430	Apalis nigriceps	02040	Aythya marila
01790	Anas penelope	30440	Apalis pulchra	02020	Aythya nyroca
01860	Anas platyrhynchos	30450	Apalis rufogularis	02059	Aythya sp.
01880	Anas poecilorhyncha	30460	Apaloderma aequatoriale	01970	Aythya valisineria
01910	Anas querquedula	30470	Apaloderma narina	13830	Babax koslowi
01870	Anas rubripes	30480	Apaloderma vittatum	13810	Babax lanceolatus
01949	Anas sp.	15050	Apalopteron familiare	13820	Babax waddellii
30200	Anas sparsa	15370	Aphelocoma caerulescens	90130	Backcrossing Ficedula
01820	Anas strepera	15360	Aphelocoma ultramarina	30580	Baeopogon clamans
30210	Anas undulata	04940	Aphriza virgata	30590	Baeopogon indicator
30220	Anastomus lamelligerus	30490	Aplopelia larvata	30600	Balearica pavonina
01300	Anastomus oscitans	27760	Aptenodytes forsteri	30602	Balearica pavonina ceciliae
30230	Andropadus ansorgei	27750	Aptenodytes patagonicus	30601	Balearica pavonina pavonina
23500	Andropadus curvirostris	08000	Apus affinis	27990	Balearica regulorum
30240	Andropadus gracilirostris	07930	Apus alexandri	27992	Balearica regulorum gibbericeps
30250	Andropadus gracilis	07950	Apus apus	27991	Balearica regulorum regulorum
21000	Andropadus importunus	30500	Apus barbatus	03760	Bambusicola thoracica
23600	Andropadus latirostris (= Stelgidocichla latirostris)	07990	Apus caffer	05440	Bartramia longicauda
30260	Andropadus montanus	30510	Apus horus	17790	Basileuterus culicivorus
30270	Andropadus tephrolaemus	07980	Apus melba	17800	Basileuterus rufifrons
23400	Andropadus virens (= Eurillas virens)	07970	Apus pacificus	30610	Batis orientalis
00850	Anhinga anhinga	07960	Apus pallidus	30620	Batis poensis
00860	Anhinga melanogaster	30520	Apus sladeniae	21100	Batis senegalensis
30280	Anhinga rufa	08009	Apus spp.	30630	Bias flammulatus
30290	Anomalospiza imberbis	07940	Apus unicolor	30640	Bias musicus
30300	Anous minutus	02960	Aquila chrysaetos	23800	Bleda canicapilla
06300	Anous stolidus	02930	Aquila clanga	30650	Bleda eximia
06290	Anous tenuirostris	02950	Aquila heliaca	30660	Bleda syndactyla
01590	Anser albifrons	02952	Aquila heliaca adalberti	10460	Bombycilla cedrorum
01591	Anser albifrons albifrons	02951	Aquila heliaca heliaca	10480	Bombycilla garrulus
01592	Anser albifrons flavirostris	30530	Aquila nipalensis (= 02942 A.r.n.)	10470	Bombycilla japonica
01610	Anser anser	02920	Aquila pomarina	03260	Bonasa bonasia
01580	Anser brachyrhynchus	02940	Aquila rapax	03270	Bonasa sewerzowi
01630	Anser caerulescens	02942	Aquila rapax nipalensis	03280	Bonasa umbellus
01632	Anser caerulescens atlanticus	02941	Aquila rapax rapax	30670	Bostrychia hagedash
		02979	Aquila sp.	30680	Bostrychia olivacea

30690	Bostrychia rara	09700	Calandrella rufescens	18890	Cardinalis sinuatus
00960	Botaurus lentiginosus	09702	Calandrella rufescens cheleensis	17740	Cardinella rubrifrons
00950	Botaurus stellaris	09701	Calandrella rufescens rufescens	16510	Carduelis ambigua
10980	Brachypteryx montana	18470	Calcarius lapponicus	16600	Carduelis cannabina
10970	Brachypteryx stellata	18460	Calcarius maccownii	16601	Carduelis cannabina cannabina
06420	Brachyramphus brevirostris	18480	Calcarius ornatus	16603	Carduelis cannabina harteri
06410	Brachyramphus marmoratus	18490	Calcarius pictus	16602	Carduelis cannabina meadowaldoi
06411	Brachyramphus marmoratus marmoratus	05080	Calidris acuminata	16604	Carduelis cannabina mediterranea
06412	Brachyramphus marmoratus perdux	04970	Calidris alba	16530	Carduelis carduelis
06429	Brachyramphus sp.	05120	Calidris alpina	16532	Carduelis carduelis caniceps
30700	Bradomys pallidus	05121	Calidris alpina alpina	16531	Carduelis carduelis carduelis
30710	Bradypterus baboecala	05122	Calidris alpina arctica	16490	Carduelis chloris
30720	Bradypterus bangwaensis	05123	Calidris alpina schinzii	16630	Carduelis flammea
12240	Bradypterus luteoventris	05128	Calidris alpina schinzii / arctica	16634	Carduelis flammea cabaret
12220	Bradypterus major	05060	Calidris bairdii	16631	Carduelis flammea flammea
12230	Bradypterus taczanowskius	04960	Calidris canutus	16632	Carduelis flammea rostrata
12210	Bradypterus thoracicus	04961	Calidris canutus canutus	16620	Carduelis flavirostris
01680	Branta bernicla	04962	Calidris canutus islandicus	16640	Carduelis hornemanni
01681	Branta bernicla bernicla	05090	Calidris ferruginea	16642	Carduelis hornemanni exilipes
01682	Branta bernicla hrota	05050	Calidris fuscicollis	16641	Carduelis hornemanni hornemanni
01683	Branta bernicla nigricans	05100	Calidris maritima	16590	Carduelis lawrencei
01660	Branta canadensis	04990	Calidris mauri	16560	Carduelis notata
01665	Branta canadensis asiatica	05070	Calidris melanotos	16550	Carduelis pinus
01661	Branta canadensis canadensis	05010	Calidris minuta	16580	Carduelis psaltria
01664	Branta canadensis hutchinsii	05040	Calidris minutilla	16500	Carduelis sinica
01662	Branta canadensis occidentalis	05110	Calidris pilocnemis	16520	Carduelis spinoides
01663	Branta canadensis parvipes	04980	Calidris pusilla	16540	Carduelis spinus
01670	Branta leucopsis	05000	Calidris ruficollis	16649	Carduelis spp.
01690	Branta ruficollis	05129	Calidris spp.	16570	Carduelis tristis
01699	Branta sp.	05030	Calidris subminuta	16610	Carduelis yemenensis
30730	Bubalornis albirostris	05020	Calidris temminckii	16810	Carpodacus cassinii
07450	Bubo africanus	04950	Calidris tenuirostris	16870	Carpodacus edwardsii
07440	Bubo bubo	16480	Callacanthus burtoni	16840	Carpodacus eos
30740	Bubo lacteus	03410	Callipepla californica	16790	Carpodacus erythrinus
30750	Bubo poensis	03430	Callipepla douglasii	16940	Carpodacus grandis
07430	Bubo virginianus	03420	Callipepla gambelii	16820	Carpodacus mexicanus
01110	Bubulcus ibis	03390	Callipepla picta	16780	Carpodacus nipalensis
16760	Bucanetes githagineus	03400	Callipepla squamata	16830	Carpodacus pulcherrimus
16750	Bucanetes mongolicus	08130	Calliphlox evelynae	16970	Carpodacus puniceus
30760	Buccanodon duchailui	25700	Callonetta leucophrys	16800	Carpodacus purpureus
02160	Bucephala albeola	00360	Calonectris diomedea	16930	Carpodacus rhodochlamys
02180	Bucephala clangula	00370	Calonectris leucomelas	16850	Carpodacus rhodochrous
02170	Bucephala islandica	08140	Calothorax lucifer	16910	Carpodacus rhodocephalus
30770	Bucorvus abyssinicus	30820	Calyptocichla serina	16890	Carpodacus roseus
00340	Bulweria bulwerii	21200	Camaroptera brachyura	16770	Carpodacus rubescens
00350	Bulweria fallax	24300	Camaroptera brevicaudata	16960	Carpodacus rubicilla
30780	Buphagus africanus	30830	Camaroptera chloronota	16950	Carpodacus rubicilloides
04610	Burhinus capensis	30840	Camaroptera superciliiaris	16880	Carpodacus synoicus
04590	Burhinus oedicnemus	30850	Campephaga oriolina	16920	Carpodacus thura
04600	Burhinus senegalensis	30860	Campephaga petiti	16900	Carpodacus trifasciatus
30790	Burhinus vermiculatus	30870	Campephaga phoenicea	16860	Carpodacus vinaceus
02760	Butastur indicus	30880	Campephaga quisqualina	02270	Cathartes aura
30800	Butastur rufipennis	09010	Campephilus imperialis	11800	Catharus aurantiirostris
02750	Butastur teesa	09000	Campephilus principalis	11790	Catharus fuscescens
02840	Buteo albicaudatus	30890	Campephaga abingoni	11760	Catharus guttatus
02850	Buteo albonotatus	30900	Campephaga cailliautii	11780	Catharus minimus
30810	Buteo auguralis	30910	Campephaga caroli	11782	Catharus minimus bicknelli
02830	Buteo brachyurus	30920	Campephaga nivosa	11781	Catharus minimus minimus
02870	Buteo buteo	26520	Campephaga punctuligera	11810	Catharus occidentalis
02871	Buteo buteo buteo	30930	Campephaga tullbergi	11770	Catharus ustulatus
02873	Buteo buteo insularum	02100	Camptorhynchus labradorius	05600	Catoptrophorus semipalmatus
02872	Buteo buteo vulpinus	09080	Camptostoma imberbe	03910	Catreus wallichii
02890	Buteo hemilasius	26800	Camptostoma obsolatum	03380	Centrocercus urophasianus
02860	Buteo jamaicensis	10550	Campylorhynchus brunneicapillus	30990	Centropus grillii
02900	Buteo lagopus	10540	Campylorhynchus gularis	31000	Centropus leucogaster
02810	Buteo lineatus	10530	Campylorhynchus jocosus	31010	Centropus monachus
26780	Buteo magnirostris	30940	Canirallus oculus	07340	Centropus senegalensis
02790	Buteo nitidus	07810	Caprimulgus aegyptius	26710	Centropus superciliosus
02800	Buteo platypterus	07760	Caprimulgus asiaticus	26714	Centropus superciliosus burchellii
02910	Buteo regalis	07820	Caprimulgus carolinensis	26713	Centropus superciliosus loandae
02880	Buteo rufinus	07740	Caprimulgus centralasicus	26712	Centropus superciliosus sokotrae
02919	Buteo spp.	30950	Caprimulgus climacurus	26711	Centropus superciliosus superciliosus
02820	Buteo swainsonii	07780	Caprimulgus europaeus	08660	Centurus aurifrons
02770	Buteogallus anthracinus	07800	Caprimulgus eximius	08650	Centurus carolinus
01070	Butorides striatus	07770	Caprimulgus indicus	08680	Centurus superciliiaris
26790	Cacicus cela	07720	Caprimulgus inornatus	08670	Centurus uropygialis
19220	Cacicus melanicterus	07750	Caprimulgus mahrattensis	14880	Cephalopyrus flammiceps
07220	Cacomantis merulinus	30960	Caprimulgus natalensis	06400	Cepphus carbo
24997	Cage & exotic birds	07730	Caprimulgus nubicus	06390	Cepphus columba
01750	Cairina moschata	26810	Caprimulgus parvulus parvulus	06380	Cepphus grylle
26500	Calamator leivaillautii	30970	Caprimulgus pectoralis	06409	Cepphus spp.
18450	Calamospiza melanoconyx	07790	Caprimulgus ruficollis	31020	Ceratogymna albotibialis
09690	Calandrella acutirostris	07839	Caprimulgus spp.	31030	Ceratogymna atrata
09680	Calandrella brachydactyla	30980	Caprimulgus tristigma	31040	Ceratogymna bucinator
09670	Calandrella cinerea	07830	Caprimulgus vociferus	31050	Ceratogymna elata
09710	Calandrella raytal	18880	Cardinalis cardinalis	31060	Ceratogymna fistulator

31070	Ceratogymna subcylindricus	31160	Chlorocichla simplex	06670	Columba leuconota
31080	Cercococcyx mechowii	31170	Chloropeta natalensis	06650	Columba livia
31090	Cercococcyx olivinus	10410	Chloropsis hardwickii	06680	Columba oenas
31100	Cercomela familiaris	08030	Chlorostilbon ricardii	06700	Columba palumbus
11350	Cercomela melanura	18240	Chondestes grammacus	06750	Columba pulchricollis
10950	Cercotrichas galactotes	02300	Chondrohierax uncinatus	06660	Columba rupestris
10952	Cercotrichas galactotes familiaris	07870	Chordeiles acutipennis	06829	Columba sp.
10951	Cercotrichas galactotes galactotes	07860	Chordeiles minor	06800	Columba squamosa
10953	Cercotrichas galactotes syriacus	07200	Chrysococcyx caprius	06710	Columba trocaz
31110	Cercotrichas hartlaubi	31180	Chrysococcyx cupreus	31430	Columba uncinata
10960	Cercotrichas podobe	31190	Chrysococcyx flavigularis	06770	Columba versicolor
06530	Cerorhinca monocerata	07210	Chrysococcyx klaas	06980	Columbigallina passerina
14870	Certhia brachydactyla	07190	Chrysococcyx maculatus	26860	Columbina picui
14830	Certhia discolor	03970	Chrysolophus amherstiae	13650	Conostoma oemodium
14860	Certhia familiaris	03960	Chrysolophus pictus	09310	Contopus borealis
14862	Certhia familiaris britannica	11740	Chiclopasser terrestris	09270	Contopus caribaeus
14863	Certhia familiaris corsa	01320	Ciconia abdimii	09280	Contopus pertinax
14861	Certhia familiaris familiaris	01340	Ciconia ciconia	09290	Contopus sordidulus
14864	Certhia familiaris macrodactyla	01330	Ciconia episcopus	09300	Contopus virens
14840	Certhia himalayana	01310	Ciconia nigra	07080	Conuropsis carolinensis
14850	Certhia nipalensis	01349	Ciconia sp.	27910	Copsychus albospectularis
26820	Certhiaxis cinnamomea	10500	Cinclus cinclus	27980	Copsychus cebuensis
08340	Ceryle alcyon	10503	Cinclus cinclus aquaticus	27960	Copsychus luzoniensis
08360	Ceryle lugubris	10502	Cinclus cinclus caucasicus	27940	Copsychus malabaricus
08330	Ceryle rudis	10501	Cinclus cinclus cinclus	27970	Copsychus niger
08350	Ceryle torquata	10504	Cinclus cinclus gularis	27920	Copsychus saularis
12180	Cettia acanthizoides	10520	Cinclus mexicanus	27930	Copsychus sechellarum
12190	Cettia brunnirostris	10510	Cinclus pallasi	08420	Coracias abyssinicus
12200	Cettia cetti	15760	Cinnyricinclus leucogaster	08430	Coracias benghalensis
12140	Cettia diphone	31200	Circaetus cinerascens	31440	Coracias cyanogaster
12170	Cettia flavolivacea	31210	Circaetus cinereus	08410	Coracias garrulus
12150	Cettia fortipes	02560	Circaetus gallicus	31450	Coracias naevia
12160	Cettia major	02600	Circus aeruginosus	31460	Coracina azurea
12130	Cettia squameiceps	02610	Circus cyaneus	31470	Coracina caesia
31120	Ceuthmocharis aereus	02620	Circus macrourus	10250	Coracina melaschistos
07900	Chaetura pelagica	02640	Circus melanoleucus	31480	Coracina pectoralis
07910	Chaetura vauxi	02630	Circus pygargus	02280	Coragyps atratus
11590	Chaimarrornis leucocephalus	02649	Circus sp.	31490	Corvinella corvina
21300	Chalcites basalis	31220	Cisticola anonymus	15700	Corvus albus
06930	Chalcophaps indica	31230	Cisticola aridulus	15640	Corvus brachyrhynchos
13630	Chamaea fasciata	31240	Cisticola brachypterus	15720	Corvus corax
17660	Chamaethlypis poliocephala	31250	Cisticola cantans	15721	Corvus corax corax
04770	Charadrius alexandrinus	31260	Cisticola chubbii	15722	Corvus corax tingitanus
04800	Charadrius asiaticus	31270	Cisticola dorsti	15670	Corvus corone
04690	Charadrius dubius	31280	Cisticola emini	15673	Corvus corone comix
31130	Charadrius forbesi	31290	Cisticola erythrops	15671	Corvus corone corone
04700	Charadrius hiaticula	31300	Cisticola eximius	15730	Corvus cryptoleucus
04701	Charadrius hiaticula hiaticula	31310	Cisticola galactotes	15610	Corvus dauuricus
04702	Charadrius hiaticula tundrae	12260	Cisticola juncidis	15630	Corvus frugilegus
04790	Charadrius leschenaultii	31320	Cisticola lateralis	15650	Corvus imparatus
20460	Charadrius marginatus	31330	Cisticola natalensis	15680	Corvus macrorhynchos
04750	Charadrius melodus	31340	Cisticola robustus	15600	Corvus monedula
04780	Charadrius mongolus	31350	Cisticola ruficeps	15601	Corvus monedula monedula
04783	Charadrius mongolus atrifrons	31360	Cisticola rufus	15602	Corvus monedula soemmerringii
04781	Charadrius mongolus mongolus	10590	Cistothorus palustris	15603	Corvus monedula spermologus
04782	Charadrius mongolus pamirensis	10580	Cistothorus platensis	15660	Corvus ossifragus
04784	Charadrius mongolus schaeferi	07160	Clamator glandarius	15740	Corvus rhipidurus
04785	Charadrius mongolus stegmanni	07150	Clamator jacobinus	15710	Corvus ruficollis
04830	Charadrius montanus	31370	Clamator leucomelas	15749	Corvus sp.
04820	Charadrius morinellus	02120	Clangula hyemalis	15620	Corvus splendens
04760	Charadrius pecuarius	31380	Clytopiza monteiri	15690	Corvus torquatus
04720	Charadrius placidus	26840	Cnemotriccus fuscatus	26870	Coryphasiza melanotis
04710	Charadrius semipalmatus	17170	Coccothraustes coccothraustes	31500	Corythaeola cristata
04839	Charadrius sp.	07280	Coccyzus americanus	31510	Cossypha albicapilla
31140	Charadrius tricoloris	07270	Coccyzus erythrophthalmus	31520	Cossypha cyanocampter
04810	Charadrius veredus	07290	Coccyzus minor	31530	Cossypha isabellae
04740	Charadrius vociferus	17830	Coereba flaveola	20340	Cossypha natalensis
04730	Charadrius wilsonia	08500	Colaptes auratus	21400	Cossypha niveicapilla
17010	Chaunoproctus ferreorostris	08510	Colaptes cafer	31540	Cossypha polioptera
31150	Chelictinia riocourii	26850	Colaptes campestris	31550	Cossyphicula roberti
09590	Chersophilus duponti	08520	Colaptes chrysoides	04170	Coturnicops exquisita
04910	Chettusia gregaria	03450	Colinus virginianus	04180	Coturnicops noveboracensis
04920	Chettusia leucura	31390	Colius striatus	31560	Coturnix adansonii
20070	Chionis alba	07890	Collocalia brevirostris	03700	Coturnix coturnix
04440	Chlamydotis undulata	31400	Columba arquatrix	26600	Coturnix delegorguei
04443	Chlamydotis undulata fuertaventuræ	06720	Columba bollii	03710	Coturnix japonica
04442	Chlamydotis undulata macqueenii	31410	Columba delegorguei	26880	Cranioloeuca gutturata
04441	Chlamydotis undulata undulata	06690	Columba eversmanni	15860	Creatophora cineracea
06260	Chlidonias hybridus	06810	Columba fasciata	31570	Crecopsis egregia
06280	Chlidonias leucopterus	06820	Columba flavirostris	04210	Crex crex
06270	Chlidonias niger	31420	Columba guinea	31580	Crinifer piscator
06289	Chlidonias sp.	06740	Columba hodgsonii	23900	Criniger barbatus
20380	Chloephaga picta	06760	Columba janthina	24000	Criniger calurus
26830	Chloroceryle amazona	06780	Columba jouyi	31590	Criniger chloronotus
08320	Chloroceryle americana	06730	Columba junoniae	31600	Criniger olivaceus
26540	Chlorocichla flavicollis	06790	Columba leucocephala	03900	Crossoptilon auritum

03880	Crossoptilon crossoptilon	17460	Dendroica chrysoparia	31860	Emberiza affinis
03890	Crossoptilon mantchuricum	17510	Dendroica coronata	18760	Emberiza aureola
07310	Crotophaga ani	17480	Dendroica discolor	18800	Emberiza bruniceps
07320	Crotophaga sulcirostris	17400	Dendroica dominica	18670	Emberiza buchanani
26890	Crypturellus parvirostris	17470	Dendroica fusca	31870	Emberiza cabanisi
07240	Cuculus canorus	17380	Dendroica graciae	18680	Emberiza caesia
31610	Cuculus clamosus	17410	Dendroica kirtlandii	18710	Emberiza chrysophrys
31620	Cuculus gularis	17500	Dendroica magnolia	18600	Emberiza cia
07230	Cuculus micropterus	17420	Dendroica nigrescens	18650	Emberiza cineracea
07260	Cuculus poliocephalus	17430	Dendroica occipitalis	18610	Emberiza cioides
07250	Cuculus saturatus	17520	Dendroica palmarum	18580	Emberiza cirulus
31630	Cuculus solitarius	17340	Dendroica pensylvanica	18570	Emberiza citrinella
13500	Culicicapa ceylonensis	17330	Dendroica petechia	18700	Emberiza elegans
26900	Culicivora caudacuta	17370	Dendroica pinus	31880	Emberiza flaviventris
04640	Cursorius cursor	17390	Dendroica pityophila	18690	Emberiza fucata
31640	Cursorius temminckii	17530	Dendroica striata	18660	Emberiza hortulana
14090	Cutia nipalensis	17490	Dendroica tigrina	18620	Emberiza jankowskii
15350	Cyanocitta cristata	17440	Dendroica townsendi	18550	Emberiza koslowi
15340	Cyanocitta stelleri	17450	Dendroica virens	18560	Emberiza leucocephalos
15330	Cyanocorax beecheii	10160	Dendronanthus indicus	18810	Emberiza melanocephala
15280	Cyanocorax dickeyi	31650	Dendropicos elachus	18780	Emberiza pallasi
15300	Cyanocorax formosa	31660	Dendropicos elliotii	18740	Emberiza pusilla
15310	Cyanocorax morio	31670	Dendropicos fuscescens	18730	Emberiza rustica
15320	Cyanocorax sanblasiana	31680	Dendropicos gabonensis	18750	Emberiza rutila
15290	Cyanocorax yncas	31690	Dendropicos goertae	18770	Emberiza schoeniclus
26200	Cyanoliseus patagonus	31700	Dendropicos obsoletus	18771	Emberiza schoeniclus schoeniclus
25200	Cyanomitra olivacea	31710	Dendropicos poecilolaemus	18772	Emberiza schoeniclus witherbyi
15470	Cyanopica cyana	31720	Dendropicos pyrrhogaster	18510	Emberiza siemsseni
06520	Cyclorhynchus psittacula	31730	Dendropicos xantholophus	18819	Emberiza sp.
20800	Cygnus atratus	15000	Dicaeum ignipectus	18530	Emberiza spodocephala
01550	Cygnus buccinator	14990	Dicaeum melanoxanthum	18590	Emberiza stewarti
01530	Cygnus columbianus	21500	Dicrurus adsimilis	18630	Emberiza striolata
01532	Cygnus columbianus bewickii	31740	Dicrurus atripennis	18540	Emberiza sulphurata
01531	Cygnus columbianus columbianus	15270	Dicrurus hottentottus	18640	Emberiza tahapisi
01540	Cygnus cygnus	15260	Dicrurus leucophaeus	18720	Emberiza tristrami
01520	Cygnus olor	31750	Dicrurus ludwigii	18520	Emberiza variabilis
01559	Cygnus sp.	15250	Dicrurus macrocercus	18790	Emberiza yessoensis
08040	Cyananthus latirostris	31760	Dicrurus modestus	26980	Emberizoides herbicola
13260	Cyornis rubeculoides	17930	Diglossa baritula	09190	Empidonax affinis
13250	Cyornis vivida	08610	Dinopium benghalense	09210	Empidonax albigularis
07880	Cypseloides niger	00190	Diomedea albatrus	09230	Empidonax alnorum
08020	Cypsiurus parvus	00160	Diomedea cauta	09200	Empidonax difficilis
03460	Cyrtonyx montezumae	00150	Diomedea chlororhynchus	09130	Empidonax flaviventris
00230	Daption capense	20090	Diomedea chrysostoma	09240	Empidonax fulvifrons
26910	Deconychura longicauda	00200	Diomedea exulans	09160	Empidonax hammondii
10000	Delichon dasypus	00180	Diomedea immutabilis	09150	Empidonax minimus
09990	Delichon nipalensis	00140	Diomedea melanophris	09170	Empidonax oberholseri
10010	Delichon urbica	00170	Diomedea nigripes	09220	Empidonax traillii
03240	Dendragapus canadensis	18970	Dolichonyx oryzivorus	09140	Empidonax virescens
03230	Dendragapus falcipennis	26930	Donacobius atricapilla	09180	Empidonax wrightii
03250	Dendragapus obscurus	26940	Donacospiza albifrons	06440	Endomychura craveri
26920	Dendrocincla merula	04580	Dromas ardeola	06430	Endomychura hypoleuca
26921	Dendrocincla merula merula	31770	Drymocichla incana	12100	Enicurus leschenaulti
15480	Dendrocitta formosae	08640	Dryocopus javensis	12110	Enicurus maculatus
08970	Dendrocopos albobarvatus	08630	Dryocopus martius	12090	Enicurus schistaceus
08990	Dendrocopos arcticus	08620	Dryocopus pileatus	12080	Enicurus scouleri
08950	Dendrocopos arizonae	31780	Dryoscopus angolensis	17150	Eophona migratoria
08790	Dendrocopos assimilis	31790	Dryoscopus gambensis	17160	Eophona personata
08860	Dendrocopos auriceps	31800	Dryoscopus sabinii	31890	Ephippiorhynchus senegalensis
08940	Dendrocopos borealis	21600	Dryoscopus senegalensis	09540	Eremalauda durni
08880	Dendrocopos canicapillus	31810	Dryotriorchis spectabilis	31900	Eremomela badiceps
08820	Dendrocopos cathpharius	10800	Dumetella carolinensis	31910	Eremomela canescens
08810	Dendrocopos darjellensis	24700	Dyaphorophya castanea	31920	Eremomela icteropygialis
08900	Dendrocopos doraie	26950	Dysithamnus mentalis	31930	Eremomela pusilla
08800	Dendrocopos himalayensis	06940	Ectopistes migratorius	09780	Eremophila alpestris
08850	Dendrocopos hyperythrus	01210	Egretta alba	09790	Eremophila bilopha
08890	Dendrocopos kizuki	31820	Egretta ardesiaca	31940	Eremopterix leucotis
08770	Dendrocopos leucopterus	01160	Egretta eulophotes	09530	Eremopterix nigriceps
08840	Dendrocopos leucotos	01190	Egretta garzetta	17750	Ergaticus ruber
08760	Dendrocopos major	01180	Egretta gularis	11000	Erithacus akahige
08761	Dendrocopos major major	01181	Egretta gularis gularis	11010	Erithacus komadori
08830	Dendrocopos medius	01182	Egretta gularis schistacea	10990	Erithacus rubecula
08870	Dendrocopos minor	01200	Egretta intermedia	10991	Erithacus rubecula rubecula
08920	Dendrocopos nuttallii	01170	Egretta sacra	10992	Erithacus rubecula superbus
08930	Dendrocopos pubescens	01219	Egretta sp.	31950	Erythrocerus mcallii
08910	Dendrocopos scalaris	01150	Egretta thula	04620	Esacus recurvirostris
08979	Dendrocopos sp.	26960	Elaenia flavogaster	16150	Estrilda astrild
08780	Dendrocopos syriacus	09070	Elaenia martinica	31960	Estrilda caerulescens
08980	Dendrocopos tridactylus	26970	Elaenia parvirostris	20430	Estrilda melpoda
08960	Dendrocopos villosus	02330	Elanoides forficatus	31970	Estrilda nonnula
01500	Dendrocycyna arborea	31830	Elanus axillaris	31980	Estrilda paludicola
01510	Dendrocycyna autumnalis	02350	Elanus caeruleus	26440	Estrilda perreina
01490	Dendrocycyna bicolor	02340	Elanus leucurus	31990	Estrilda poliopareia
17360	Dendroica caerulescens	31840	Elminia albibentris	26450	Estrilda rhodopyga
17540	Dendroica castanea	21700	Elminia longicauda	16160	Estrilda rufibarba
17350	Dendroica cerulea	31850	Elminia nigromitrata	20439	Estrilda sp.

20270	Estrilda troglodytes	32140	Fraseria ocreata	07010	Geotrygon chrysis
26990	Eucometis penicillata	06540	Fratercula arctica	07020	Geotrygon montana
26991	Eucometis penicillata penicillata	06550	Fratercula corniculata	02590	Geranospiza caerulescens
01380	Eudocimus albus	00940	Fregata ariel	01400	Geronticus eremita
01390	Eudocimus ruber	00930	Fregata magnificens	32170	Glareola cinerea
20300	Eudyptes chrysolophus	00920	Fregata minor	04680	Glareola lactea
08120	Eugenes fulgens	27720	Fregatta grallaria	04660	Glareola maldivarum
16190	Euodice cantans	27730	Fregatta tropica	04670	Glareola nordmanni
16180	Euodice malabarica	16360	Fringilla coelebs	32180	Glareola nuchalis
19010	Euphagus carolinensis	16362	Fringilla coelebs africana	04650	Glareola pratincola
19000	Euphagus cyanocephalus	16365	Fringilla coelebs canariensis	04689	Glareola sp.
17910	Euphonia affinis	16361	Fringilla coelebs coelebs	07530	Glaucidium brasilianum
27000	Euphonia chlorotica	16363	Fringilla coelebs ombriosa	07540	Glaucidium brodiei
17920	Euphonia elegantissima	16364	Fringilla coelebs palmae	07520	Glaucidium gnoma
27010	Euphonia lanirostris	16380	Fringilla montifringilla	07510	Glaucidium passerinum
27011	Euphonia lanirostris lanirostris	16389	Fringilla sp.	32190	Glaucidium perlatum
20420	Euplectes afer	16370	Fringilla teydea	32200	Glaucidium sjostedti
26620	Euplectes albonotatus	16372	Fringilla teydea polatzeki	01030	Gorsachius goisagi
32000	Euplectes ardens	16371	Fringilla teydea teydea	32210	Gorsachius leuconotus
32010	Euplectes axillaris	04300	Fulica americana	11310	Grandala coelicolor
32020	Euplectes capensis	04290	Fulica atra	04390	Grus americana
20480	Euplectes franciscanos	04310	Fulica cristata	04360	Grus canadensis
32030	Euplectes hartlaubi	00220	Fulmarus glacialis	04330	Grus grus
32040	Euplectes hordeaceus	00221	Fulmarus glacialis glacialis	04380	Grus japonensis
32050	Euplectes macrourus	20130	Fulmarus glacialisoides	04400	Grus leucogeranus
20470	Euplectes orix	27030	Furnarius leucopus	04350	Grus monacha
32060	Eupodotis melanogaster	27031	Furnarius leucopus leucopus	04340	Grus nigricollis
32070	Eupodotis ruficrista	27040	Furnarius rufus	04409	Grus sp.
32080	Eupodotis senegalensis	27050	Galbula ruficauda	04370	Grus vipio
05130	Eurynorhynchus pygmeus	27051	Galbula ruficauda ruficauda	32220	Grus virgo (=04410 A.v.)
08440	Eurystomus glaucurus	09720	Galerida cristata	18910	Guiraca caerulea
32090	Eurystomus gularis	32150	Galerida modesta	32230	Guttera pucherani
08450	Eurystomus orientalis	09739	Galerida sp.	06310	Gygis alba
32100	Euschistospiza dybowskii	09730	Galerida theklae	32240	Gymnobucco calvus
17780	Euthypis lachrymosa	04280	Gallinex cinerea	32250	Gymnobucco peli
32110	Falco alopec	05190	Gallinago gallinago	02290	Gymnogyps californianus
03170	Falco altaicus	05230	Gallinago hardwickii	15380	Gymnorhinus cyanocephalus
03080	Falco amurensis	05200	Gallinago media	02460	Gypaetus barbatus
32120	Falco ardosiaceus	05220	Gallinago megala	32260	Gypohierax angolensis
03140	Falco biarmicus	05250	Gallinago nemoricola	32270	Gyps africanus
03160	Falco cherrug	05240	Gallinago solitaria	02490	Gyps bengalensis
03060	Falco chicquera	05210	Gallinago stenura	02510	Gyps fulvus
03090	Falco columbarius	32160	Gallinula angulata	02520	Gyps himalayensis
03092	Falco columbarius subaeson	04240	Gallinula chloropus	02500	Gyps indicus
03120	Falco concolor	03860	Gallus gallus	02530	Gyps rueppellii
32130	Falco cuvierii	20140	Garrodia nereis	04520	Haematopus bachmani
03110	Falco eleonorae	14030	Garrulax affinis	04530	Haematopus moquini
03130	Falco femoralis	13850	Garrulax albogularis	04500	Haematopus ostralegus
03150	Falco jugger	13960	Garrulax caerulatus	04510	Haematopus palliatus
03190	Falco mexicanus	13970	Garrulax canorus	17020	Haematospiza sipahi
03030	Falco naumanni	13920	Garrulax cineraceus	32280	Halcyon badia
03210	Falco pelegrinoides	13900	Garrulax davidi	32300	Halcyon chelicuti
03200	Falco peregrinus	14010	Garrulax elliotii	08260	Halcyon coromanda
03202	Falco peregrinus brookei	14040	Garrulax erythrocephalus	08290	Halcyon leucocephala
03201	Falco peregrinus peregrinus	14050	Garrulax formosus	32310	Halcyon malimbica
03180	Falco rusticolus	14020	Garrulax henrici	08300	Halcyon miyakoensis
03219	Falco sp.	13990	Garrulax lineatus	08280	Halcyon pileata
03050	Falco sparverius	13930	Garrulax lunulatus	32320	Halcyon senegalensis
03100	Falco subbuteo	13880	Garrulax maesi	21800	Halcyon senegaloides
03040	Falco tinnunculus	13940	Garrulax maximus	08270	Halcyon smymensis
03070	Falco vespertinus	13950	Garrulax ocellatus	02430	Haliaeetus albicilla
13480	Ficedula albicollis	13860	Garrulax pectoralis	02440	Haliaeetus leucocephalus
13481	Ficedula albicollis albicollis	13840	Garrulax perspicillatus	02420	Haliaeetus leucorhynchus
13482	Ficedula albicollis semitorquata	13980	Garrulax sannio	02450	Haliaeetus pelagicus
13400	Ficedula hodgsonii	13870	Garrulax striatus	02410	Haliaeetus vocifer
13410	Ficedula hyperythra	14000	Garrulax subunicolor	02400	Haliastur indus
13490	Ficedula hypoleuca	13910	Garrulax sukatschewi	20160	Halobaena caerulea
13491	Ficedula hypoleuca hypoleuca	13890	Garrulax variegatus	00530	Halocyptena microsoma
13492	Ficedula hypoleuca ibericus	15390	Garrulus glandarius	32330	Harpyhaliaetus coronatus
13440	Ficedula mugimaki	15400	Garrulus lanceolatus	32340	Heliolais erythroptera
13460	Ficedula narcissina	15410	Garrulus lidthi	17590	Helmitheros swainsonii
13430	Ficedula parva	00050	Gavia adamsii	17600	Helmitheros vermivorus
13432	Ficedula parva albicilla	00030	Gavia arctica	27070	Hemitriccus flammulatus
13431	Ficedula parva parva	00031	Gavia arctica arctica	27080	Hemitriccus zosterops
13370	Ficedula sapphira	00032	Gavia arctica viridigularis	17190	Hesperiphona abeillei
13470	Ficedula semitorquata	00040	Gavia immer	17180	Hesperiphona vespertina
13420	Ficedula strophilata	00059	Gavia sp.	14250	Heterophasia capistrata
13390	Ficedula superciliiaris	00020	Gavia stellata	14260	Heterophasia pulchella
13380	Ficedula tricolor	06050	Gelochelidon nilotica	05580	Heteroscelus brevipes
13450	Ficedula zanthopygia	07330	Geococcyx californianus	05590	Heteroscelus incanus
27020	Formicivora rufa	27060	Geothlypis aequinoctialis	32350	Hieraaetus ayresii
03660	Francolinus bicalcaratus	27061	Geothlypis aequinoctialis aequinoctialis	02990	Hieraaetus fasciatus
28010	Francolinus erckelii	17650	Geothlypis nelsoni	02980	Hieraaetus pennatus
03640	Francolinus francolinus	17630	Geothlypis rostrata	32360	Hieraaetus spilogaster
03650	Francolinus pondicerianus	17640	Geothlypis speciosa	07170	Hierococcyx fugax
24600	Fraseria cinerascens	17620	Geothlypis trichas	07180	Hierococcyx sparverioides

04550	Himantopus himantopus	32550	Indicator maculatus	15230	Lanius senator
32370	Himantornis haematopus	32560	Indicator minor	15232	Lanius senator badius
12560	Hippolais caligata	32570	Indicator willcocksi	15233	Lanius senator niloticus
12561	Hippolais caligata caligata	27110	Inezia inornata	15231	Lanius senator senator
12562	Hippolais caligata rama (S.W.)	11170	Irania gutturalis	15249	Lanius sp.
12590	Hippolais icterina	32580	Ispidina lecontei	15210	Lanius sphenocercus
12570	Hippolais languida	32590	Ispidina picta	15180	Lanius tephronotus
12580	Hippolais olivetorum	03770	Ithaginis cruentus	15110	Lanius tigrinus
12550	Hippolais pallida (E.O.W.)	01010	Ixbrychus cinnamomeus	15160	Lanius vittatus
12553	Hippolais pallida elaeica	01000	Ixbrychus eurhythmus	05920	Larus argentatus
12555	Hippolais pallida laeneni	00970	Ixbrychus exilis	05921	Larus argentatus argentatus
12552	Hippolais pallida opacus (W.O.W.)	00980	Ixbrychus minutus	05928	Larus argentatus argenteus
12551	Hippolais pallida pallida	00990	Ixbrychus sinensis	05925	Larus argentatus atlantis
12554	Hippolais pallida reiseri	32600	Ixbrychus sturmi	05927	Larus argentatus cachinnans
12600	Hippolais polyglotta	32610	Ixonotus guttatus	05922	Larus argentatus heuglini
12609	Hippolais sp.	27120	Jacana jacana	05926	Larus argentatus michahellis
07920	Hirundapus caudacutus	04480	Jacana spinosa	26560	Larus argentatus mongolicus
10019	Hirundinidae	18430	Junco caniceps	26632	Larus argentatus smithsonianus
32380	Hirundo abyssinica	18420	Junco hyemalis	05923	Larus argentatus taimyrensis
32390	Hirundo aethiopia	18440	Junco phaeonotus	05924	Larus argentatus vegae
09950	Hirundo daurica	32620	Jynx ruficollis	05760	Larus atricilla
09951	Hirundo daurica daurica	08480	Jynx torquilla	05880	Larus audouinii
09952	Hirundo daurica domicella	08484	Jynx torquilla chinensis	26300	Larus belcheri
32400	Hirundo domicella (=09952 H.daurica domicella)	08485	Jynx torquilla himalayana	05830	Larus brunnecephalus
09960	Hirundo fluvicola	08486	Jynx torquilla mauretanicus	05930	Larus californicus
32410	Hirundo fuligula	08483	Jynx torquilla sarudnyi	05900	Larus canus
09970	Hirundo fulva	08481	Jynx torquilla torquilla	05901	Larus canus canus
32420	Hirundo leucosoma	08482	Jynx torquilla tschusii	05902	Larus canus heinei
20080	Hirundo lucida	32630	Kakamega poliothorax	05840	Larus cirrocephalus
32430	Hirundo nigrita	32640	Kaupifalco monogrammicus	05870	Larus crassirostris
32440	Hirundo preussi	07460	Ketupa blakistoni	05890	Larus delawarensis
09980	Hirundo pyrrhonota	07480	Ketupa flavipes	20600	Larus dominicanus
09920	Hirundo rustica	07470	Ketupa zeylonensis	05910	Larus fuscus
32450	Hirundo semirufa	27130	Knipolegus hudsoni	05911	Larus fuscus fuscus
32460	Hirundo senegalensis	16980	Kozlowia roborowskii	05912	Larus fuscus graellsii
09940	Hirundo smithii	32650	Kupeornis gilberti	05913	Larus fuscus intermedius
09930	Hirundo tahitica	32660	Lagonosticta larvata	05850	Larus genei
02110	Histrionicus histrionicus	32670	Lagonosticta rara	05960	Larus glaucescens
11300	Hodgsonius phoenicuroides	32680	Lagonosticta rubricata	05980	Larus glaucoides
04890	Hoplopterus cinereus	32690	Lagonosticta rufopicta	05981	Larus glaucoides glaucoides
04900	Hoplopterus indicus	32700	Lagonosticta sanguinodorsalis	05982	Larus glaucoides kumlieni
04870	Hoplopterus spinosus	16130	Lagonosticta senegala	05860	Larus heermanni
04880	Hoplopterus tectus	03290	Lagopus lagopus	05710	Larus hemprichii
24998	Hybrids & intermediates	03291	Lagopus lagopus lagopus	05990	Larus hyperboreus
01120	Hydranassa caerulea	03292	Lagopus lagopus scoticus	05730	Larus ichthyaetus
01140	Hydranassa rufescens	03310	Lagopus leucurus	05720	Larus leucophthalmus
01130	Hydranassa tricolor	03300	Lagopus mutus	20360	Larus maculipennis
00520	Hydrobates pelagicus	08110	Lampornis clemenciae	06000	Larus marinus
00522	Hydrobates pelagicus melitensis	32710	Lamprotornis caudatus	05750	Larus melanocephalus
00521	Hydrobates pelagicus pelagicus	32720	Lamprotornis chalcurus	05780	Larus minutus
04470	Hydrophasianus chirurgus	32730	Lamprotornis chalybaeus	05940	Larus occidentalis
27090	Hydropsalis brasiliiana	32740	Lamprotornis chloropterus	05810	Larus philadelphia
24500	Hylia prasina	32750	Lamprotornis cholcheter	05770	Larus pipixcan
32470	Hylia flavigaster	32760	Lamprotornis purpureiceps	05740	Larus relictus
32480	Hylia violacea	32770	Lamprotornis purpureus	05820	Larus ridibundus
08060	Hylocharis leucotis	32780	Lamprotornis splendidus	05790	Larus sabini
08050	Hylocharis xantusii	25600	Laniarius aethiopicus	05800	Larus sandersi
11750	Hylocichla mustelina	32790	Laniarius atrococcineus	05950	Larus schistsagus
32490	Hypergerus atriceps	32800	Laniarius atroflavus	06000	Larus sp.
10490	Hypocolius ampelinus	32810	Laniarius barbarus	05970	Larus thayeri
10390	Hypsipetes amaurotis	32820	Laniarius erythrogaster	04190	Laterallus jamaicensis
10400	Hypsipetes madagascariensis	32830	Laniarius fuellborni	27140	Laterallus melanophaius
10380	Hypsipetes mcclllandii	32840	Laniarius leucorhynchus	27150	Lathrotriccus eulerei
04540	Ibidorhyncha struthersii	32850	Laniarius luehderi	14070	Leiothrix lutea
17820	Icteria virens	32860	Laniarius barbarus (=32810 L.b.)	27160	Lepidocolaptes angustirostris
27100	Icterus cayanensis	15120	Lanius bucephalus	09030	Lepidocolaptes leucogaster
19160	Icterus cucullatus	32870	Lanius collaris	13180	Leptopoecile elegans
19150	Icterus dominicensis	15150	Lanius collurio	13170	Leptopoecile sophiae
19180	Icterus galbula	15151	Lanius collurio collurio	27170	Leptopogon amaurocephalus
19130	Icterus graduacauda	15153	Lanius collurio isabellinus (= 15140 Lanius isabellinus)	01350	Leptoptilos crumeniferus
19200	Icterus gularis	15152	Lanius collurio phoenicuroides	27180	Leptotila rufaxilla
19120	Icterus parisorum	15130	Lanius cristatus	07000	Leptotila verreauxi
19210	Icterus pectoralis	15200	Lanius excubitor	03470	Lerwa lerwa
19190	Icterus pustulatus	15202	Lanius excubitor elegans	27190	Leucopternis schistacea
19170	Icterus spurius	15201	Lanius excubitor excubitor	16710	Leucosticte arctoa
19140	Icterus wagleri	15203	Lanius excubitor meridionalis	16700	Leucosticte brandti
02360	Ictinia mississippiensis	32880	Lanius excubitoroides	16690	Leucosticte nemoricola
32500	Illadopsis cleaveri	32890	Lanius gubernator	16720	Leucosticte tephrocotis
32510	Illadopsis fulvescens	15140	Lanius isabellinus	05140	Limicola falcinellus
26480	Illadopsis puvelli	15220	Lanius ludovicianus	05659	Limicolae
24900	Illadopsis rufescens (= Trichostoma rufescens)	32900	Lanius mackinnoni	04200	Limnocolaptes flavivirostra
32520	Illadopsis rufipennis	32910	Lanius meridionalis (=15203 L.e.m.)	05260	Limnodromus griseus
32530	Indicator exilis	15190	Lanius minor	05270	Limnodromus scolopaceus
32540	Indicator indicator	15240	Lanius nubicus	05280	Limnodromus semipalmatus
		15170	Lanius schach	05350	Limosa fedoa
				05330	Limosa haemastica

05340	Limosa lapponica	22000	Melaniparus leucomelas	16050	Montifringilla theresae
05341	Limosa lapponica lapponica	02150	Melanitta fusca	33300	Morus capensis
05320	Limosa limosa	02152	Melanitta fusca deglandi	10230	Motacilla aguimp
05322	Limosa limosa islandica	02151	Melanitta fusca fusca	10200	Motacilla alba
05321	Limosa limosa limosa	02153	Melanitta fusca stejnegeri	10201	Motacilla alba alba
32920	Linurgus olivaceus	02130	Melanitta nigra	10204	Motacilla alba dukhunensis
14060	Liocichla steerii	02132	Melanitta nigra americana	10203	Motacilla alba personata
12330	Locustella certhiola	02131	Melanitta nigra nigra	10202	Motacilla alba yarrellii
12390	Locustella fasciolata	02140	Melanitta perspicillata	10190	Motacilla cinerea
12370	Locustella fluviatilis	09620	Melanocorypha bimaculata	10192	Motacilla cinerea canariensis
12350	Locustella lanceolata	09621	Melanocorypha bimaculata bimaculata	10191	Motacilla cinerea cinerea
12380	Locustella luscinioides	09622	Melanocorypha bimaculata refescens	10180	Motacilla citreola
12360	Locustella naevia	09610	Melanocorypha calandra	33310	Motacilla clara
12340	Locustella ochotensis	09650	Melanocorypha leucoptera	10170	Motacilla flava
12399	Locustella sp.	09630	Melanocorypha maxima	10178	Motacilla flava beema
32930	Lonchura cantans (=16190 E.c.)	09640	Melanocorypha mongolica	10175	Motacilla flava cinereocapilla
20450	Lonchura maja	09660	Melanocorypha yeltoniensis	10174	Motacilla flava feldegg
20290	Lonchura malacca	10810	Melanotis caerulescens	10171	Motacilla flava flava
20292	Lonchura malacca atricapilla	03990	Meleagris gallopavo	10172	Motacilla flava flavissima
20291	Lonchura malacca malacca	33150	Melichneutes robustus	10176	Motacilla flava iberiae
20260	Lonchura punctulata	33160	Melierax gabar (=02660 M.g.)	26642	Motacilla flava leucocephala
20459	Lonchura sp.	02650	Melierax metabates	10177	Motacilla flava lutea
16200	Lonchura striata	33170	Melocichla mentalis	26643	Motacilla flava similima
32940	Lophaetus occipitalis	18830	Melophus lathamii	10173	Motacilla flava thunbergi
03830	Lophophorus impejanus	18350	Melospiza melodia (= Zonotrichia melodia)	10210	Motacilla grandis
03850	Lophophorus lhuysii	18010	Melospiza melodia	10220	Motacilla maderaspatensis
03840	Lophophorus sclateri	02200	Mergus albellus	10239	Motacilla sp.
03870	Lophura leucomelana	02190	Mergus cucullatus	13620	Moupinia poecilotis
16660	Loxia curvirostra	02230	Mergus merganser	33320	Muscicapa adusta
16650	Loxia leucoptera	02210	Mergus serrator	33330	Muscicapa aquatica
16680	Loxia pytyopsittacus	02239	Mergus sp.	22100	Muscicapa caerulescens
16670	Loxia scotica	02220	Mergus squamatus	33340	Muscicapa cassini
16689	Loxia sp.	08370	Merops albicollis	33350	Muscicapa comitata
09740	Lullula arborea	08400	Merops apiaster	13270	Muscicapa cyanomelana
06560	Lunda cirrhata	33180	Merops breweri	33360	Muscicapa epulata
11110	Luscinia brunnea	33190	Merops bullocki	13360	Muscicapa gambagae
11050	Luscinia calliope	33200	Merops gularis	13310	Muscicapa griseisticta
11120	Luscinia cyane	33210	Merops hirundineus	33370	Muscicapa infuscata
11030	Luscinia luscinia	33220	Merops malimbicus	13340	Muscicapa latirostris
11040	Luscinia megarhynchos	33230	Merops muelleri	13330	Muscicapa muttui
11043	Luscinia megarhynchos africana	33240	Merops nubicus	33380	Muscicapa olivascens
11042	Luscinia megarhynchos hafizi	08380	Merops orientalis	13320	Muscicapa ruficauda
11041	Luscinia megarhynchos megarhynchos	08390	Merops superciliosus	13290	Muscicapa rufilata
11090	Luscinia obscura	08392	Merops superciliosus chrysocercus	33390	Muscicapa sethsmithi
11100	Luscinia pectardens	08393	Merops superciliosus persicus	13300	Muscicapa sibirica
11070	Luscinia pectoralis	08391	Merops superciliosus superciliosus	13369	Muscicapa sp.
11080	Luscinia ruficeps	33250	Merops pusillus	13350	Muscicapa striata
11020	Luscinia sibilans	33260	Merops variegatus	13352	Muscicapa striata balearica
11129	Luscinia sp.	07550	Micrathene whitneyi	13351	Muscicapa striata striata
11060	Luscinia svecica	02660	Micronisus gabar	13353	Muscicapa striata tyrenica
11062	Luscinia svecica cyanecula	05150	Micropalama himantopus	33400	Muscicapa tessmanni
11064	Luscinia svecica magna	33270	Microparra capensis	13280	Muscicapa thalassina
11063	Luscinia svecica namnetum	18820	Miliaria calandra	33410	Muscicapa ussheri
11061	Luscinia svecica svecica	02380	Milvus migrans	09500	Muscivora forficata
32950	Lybius bidentatus	02390	Milvus milvus	09490	Muscivora tyrannus
26550	Lybius dubius	02399	Milvus sp.	33420	Musophaga violacea
32960	Lybius leucocephalus	12070	Mimocichla plumbea	10430	Myadestes obscurus
32970	Lybius vieilloti	10680	Mimus gundlachi	10420	Myadestes townsendi
05180	Lymnocyptes minimus	10670	Mimus polyglottos	17120	Mycerobas affinis
32980	Macheiramphus alcinus	27200	Mimus saturninus	17140	Mycerobas carinipes
32990	Macrodipteryx longipennis	14130	Minla cyanouroptera	17110	Mycerobas icteroides
33000	Macrodipteryx vexillarius	14150	Minla ignotincta	17130	Mycerobas melanozanthos
00210	Macronectes giganteus	14140	Minla strigula	01270	Mycteria americana
20110	Macronectes halli	33280	Mirafra africana	01290	Mycteria ibis
33010	Macrosphenus flavicans	09520	Mirafra cantillans	01280	Mycteria leucocephala
33020	Macrosphenus kempii	33290	Mirafra rufocinnamomea	09340	Myiarchus cinerascens
33030	Malaconotus blanchoti	09260	Mitrephanes phaeocercus	09370	Myiarchus crinitus
33040	Malaconotus cruentus	17200	Mniotilta varia	27230	Myiarchus ferox
33050	Malaconotus gladiator	18980	Molothrus aeneus	09330	Myiarchus nuttingi
33060	Malaconotus sulfuropecus	18990	Molothrus ater	09350	Myiarchus stolidus
33070	Malimbus erythrogaster	27210	Momotus momota	27240	Myiarchus swainsoni
33080	Malimbus ibadanensis	27212	Momotus momota coeruliceps	09320	Myiarchus tuberculifer
33090	Malimbus malimbicus	27211	Momotus momota momota	09360	Myiarchus tyrannulus
25400	Malimbus nitens	27220	Monasa nigrifrons	17770	Myioborus miniatius
33100	Malimbus racheliae	11630	Monticola cinclorhyncha	17760	Myioborus pictus
33110	Malimbus rubricollis	11640	Monticola gularis	09380	Myiodynastes luteiventris
33120	Malimbus scutatus	11650	Monticola rufiventris	09060	Myiopagis viridicata
33130	Mandingoa nitidula	11610	Monticola rufocinerea	33430	Myioparus griseigularis
25800	Mareca sibilatrix	11620	Monticola saxatilis	22200	Myioparus plumbeus
10790	Margarops fuscatus	11660	Monticola solitarius	27250	Myiophobus fasciatus
01950	Marmaronetta angustirostris	16100	Montifringilla adamsi	11670	Myiophonus caeruleus
33140	Megaceryle maxima	16060	Montifringilla blanfordi	20390	Myiopitta monachus
12400	Megalurus pryri	16080	Montifringilla davidiana	27260	Myiopithecus cayanaensis
21900	Melaenomis edoloides	16110	Montifringilla nivalis	09390	Myiopithecus similis
08690	Melanerpes erythrocephalus	16070	Montifringilla ruficollis	27270	Myrmeciza hemimelaena
08700	Melanerpes formicivorus	16090	Montifringilla taczanowskii	27280	Myrmeciza hyperythra

11430	Myrmecocichla aethiops	00560	Oceanodroma monorhis	13705	Paradoxornis webbianus alphonsiana
33440	Myrmecocichla albifrons	00639	Oceanodroma sp.	13703	Paradoxornis webbianus fulvicauda
33450	Myrmecocichla nigra	00590	Oceanodroma tethys	13704	Paradoxornis webbianus mantschurica
27290	Myrmoborus leucophrys	00630	Oceanodroma tristrami	13702	Paradoxornis webbianus suffusa
14080	Myzornis pyrrhura	06920	Oena capensis	13701	Paradoxornis webbianus webbianus
33460	Neafrapus cassini	11560	Oenanthe alboniger	13710	Paradoxornis zappelyi
02480	Necrosyrtes monachus	11450	Oenanthe bottae	12250	Parisoma buryi
33470	Nectarinia adelberti	11490	Oenanthe deserti	33920	Parmoptila woodhousei
14930	Nectarinia asiatica	11500	Oenanthe finschii	27320	Paroaria gularis
33480	Nectarinia batesi	33790	Oenanthe heuglini	27321	Paroaria gularis gularis
22300	Nectarinia bifasciata	11480	Oenanthe hispanica	17320	Parula americana
33490	Nectarinia bouvieri	11481	Oenanthe hispanica hispanica	17310	Parula pitiayumi
33500	Nectarinia chloropygia	11482	Oenanthe hispanica melanoleuca	33930	Parus albiventris
33510	Nectarinia coccinigaster	11440	Oenanthe isabellina	14610	Parus ater
33520	Nectarinia cuprea	11570	Oenanthe leucopygia	14611	Parus ater ater
33530	Nectarinia cyanoaema	11580	Oenanthe leucura	14430	Parus atricapillus
33540	Nectarinia fuliginosa	11540	Oenanthe lugens	14510	Parus bicolor
14940	Nectarinia habessinica	11510	Oenanthe moesta	14650	Parus bokharensis
33550	Nectarinia johannae	11550	Oenanthe monacha	14620	Parus caeruleus
33560	Nectarinia minulla	11460	Oenanthe oenanthe	14621	Parus caeruleus caeruleus
33570	Nectarinia olivacea (=25200 C.o.)	11462	Oenanthe oenanthe leucorhoa	14627	Parus caeruleus degener
33580	Nectarinia oritis	11461	Oenanthe oenanthe oenanthe	14626	Parus caeruleus ombriosus
14950	Nectarinia osea	11463	Oenanthe oenanthe seebohmi	14624	Parus caeruleus palmensis
33590	Nectarinia preussi	11530	Oenanthe picata	14623	Parus caeruleus pleskii
22400	Nectarinia pulchella (= Panaeola pulchella)	11470	Oenanthe pleschanka	14625	Parus caeruleus teneriffae
33600	Nectarinia reichenbachii	11589	Oenanthe sp.	14622	Parus caeruleus ultramarinus
33610	Nectarinia rubescens	11520	Oenanthe xanthopyrma	14440	Parus carolinensis
33620	Nectarinia seimundi	33800	Onychognathus fulgidus	14480	Parus cinctus
33630	Nectarinia senegalensis	33810	Onychognathus morio	14540	Parus cristatus
33640	Nectarinia superba	15750	Onychognathus tristranii	14630	Parus cyanus
33650	Nectarinia venusta	33820	Onychognathus walleri	14550	Parus davidi
22310	Nectarinia veroxii	17680	Oporornis agilis	14530	Parus dichrous
33660	Nectarinia verticalis	17670	Oporornis formosus	14460	Parus gambeli
27900	Neochen jubata	17690	Oporornis philadelphia	14490	Parus hudsonicus
33670	Neocossyphus finschii	17700	Oporornis tolmiei	14520	Parus inornatus
33680	Neocossyphus fraseri	10780	Oreoscoptes montanus	33940	Parus leucomelas
33690	Neocossyphus poensis	33830	Oriolus auratus	14410	Parus lugubris
33700	Neocossyphus rufus	33840	Oriolus brachyrhynchus	14640	Parus major
27300	Neopelma sulphureiventer	15070	Oriolus chinensis	14642	Parus major excelsus
02470	Neophron percnopterus	33850	Oriolus nigripennis	14641	Parus major major
04430	Neotis denhami	15080	Oriolus oriolus	14600	Parus melanolophus
33710	Neotis nuba	15060	Oriolus traillii	14420	Parus montanus
33720	Nesocharis capistrata	18160	Oriturus superciliosus	14422	Parus montanus songarus
33730	Nesocharis shelleyi	03220	Ortalis vetula	14660	Parus monticolus
01960	Netta rufina	33860	Ortygospiza atricollis	14400	Parus palustris
26590	Nettapus auritus	33870	Ortyxelos meiffrenii	14590	Parus rubidiventris
01760	Nettapus coromandelianus	27310	Oryzoborus angolensis	14500	Parus rufescens
25300	Nicator chloris	04460	Otis tarda	14580	Parus rufonuchalis
33740	Nigrita bicolor	07410	Otus asio	14450	Parus sclateri
33750	Nigrita canicapilla	07360	Otus bakkamoena	14669	Parus sp.
33760	Nigrita fusconota	07380	Otus brucei	14390	Parus superciliosus
33770	Nigrita luteifrons	07400	Otus flammeolus	14570	Parus varius
33780	Nilaus afer	27830	Otus insularis	14560	Parus venustus
13240	Niltava davidi	33880	Otus leucotis	14470	Parus wollweberi
13220	Niltava grandis	07390	Otus scops	15900	Passer ammodendri
13230	Niltava sundara	33890	Otus senegalensis	15910	Passer domesticus
07560	Ninox scutulata	07370	Otus sunia	15911	Passer domesticus domesticus
01410	Nipponia nippon	07420	Otus trichopsis	15913	Passer domesticus indicus
15570	Nucifraga caryocatactes	02240	Oxyura dominica	15912	Passer domesticus italiae
15571	Nucifraga caryocatactes caryocatactes	02250	Oxyura jamaicensis	16000	Passer euclhorus
15572	Nucifraga caryocatactes macrorhynchos	02260	Oxyura leucocephala	20050	Passer griseus
15560	Nucifraga columbiana	33900	Pachycoccyx audeberti	15920	Passer hispaniolensis
05420	Numenius americanus	33910	Pachyphantes superciliosus	15921	Passer hispaniolensis hispaniolensis
05410	Numenius arquata	26700	Pachyptila belcheri	15922	Passer hispaniolensis miltae
05370	Numenius borealis	20320	Pachyptila desolata	15960	Passer iagoensis
05430	Numenius madagascariensis	27740	Pachyptila turtur	15990	Passer luteus
05360	Numenius minutus	27742	Pachyptila turtur subantarctica	15950	Passer moabiticus
05380	Numenius phaeopus	27741	Pachyptila turtur turtur	15980	Passer montanus
05439	Numenius sp.	09040	Pachyramphus aglaiae	22500	Passer motitensis
05390	Numenius tahitiensis	25900	Paecilometta bahamensis (= 01900 Anas bahamensis)	15930	Passer pyrrhonotus
05400	Numenius tenuirostris	20060	Pagodroma nivea	15940	Passer rutilans
03980	Numida meleagris	06040	Pagophila eburnea	15970	Passer simplex
07490	Nyctea scandiaca	03010	Pandion haliaetus	16009	Passer sp.
01050	Nycticorax caledonicus	13640	Panurus biarmicus	18930	Passerina amoena
01040	Nycticorax nycticorax	02780	Parabuteo unicinctus	18950	Passerina ciris
01060	Nycticorax violaceus	13690	Paradoxornis conspicillatus	18920	Passerina cyanea
07850	Nyctidromus albigollis	13680	Paradoxornis flavirostris	18960	Passerina leclancherii
00500	Oceanites oceanicus	13730	Paradoxornis fulvifrons	18940	Passerina versicolor
00580	Oceanodroma castro	13760	Paradoxornis heudei	00510	Pelagodroma marina
00540	Oceanodroma furcata	13740	Paradoxornis nipalensis	20180	Pelecanoides georgicus
00570	Oceanodroma homochroa	13660	Paradoxornis paradoxus	20170	Pelecanoides urinatrix
00550	Oceanodroma leucorhoa	13720	Paradoxornis przewalskii	00890	Pelecanus crispus
00620	Oceanodroma macrodactyla	13670	Paradoxornis unicolor	00870	Pelecanus erythrorhynchos
20400	Oceanodroma markhami	13750	Paradoxornis verreauxi	00910	Pelecanus occidentalis
00610	Oceanodroma matsudairae	13700	Paradoxornis webbianus	00880	Pelecanus onocrotalus
00600	Oceanodroma melania			00900	Pelecanus rufescens

00919	Pelecanus sp.	11221	Phoenicurus phoenicurus phoenicurus	27350	Pipra fasciicauda
22600	Peliocichla pelios (= 26530 Turdus pelios)	11222	Phoenicurus phoenicurus samamiscus	17840	Piranga bidentata
33950	Peliperdix albogularis	11250	Phoenicurus schisticeps	17890	Piranga erythrocephala
33960	Peliperdix coqui	11289	Phoenicurus sp.	17850	Piranga flava
33970	Peliperdix lathamii	34010	Pholidornis rushiae	17870	Piranga ludoviciana
03720	Perdicula asiatica	34020	Phyllanthus atripennis	17880	Piranga olivacea
03680	Perdix dauuricae	23700	Phyllostrephus albigularis	17860	Piranga rubra
03690	Perdix hodgsoniae	34030	Phyllostrephus baumanni	09400	Pitangus sulphuratus
03670	Perdix perdix	34040	Phyllostrephus icterinus	34120	Pitta angolensis
03699	Perdix sp.	34050	Phyllostrephus poensis	09510	Pitta brachyura
10270	Pericrocotus cinnamomeus	34060	Phyllostrephus poliocephalus	01460	Platalea ajaja
10290	Pericrocotus divaricatus	34070	Phyllostrephus xavieri	34130	Platalea alba
10260	Pericrocotus ethologus	34080	Phylloscopus pulchella	01440	Platalea leucorodia
10280	Pericrocotus roseus	13060	Phylloscopus affinis	01450	Platalea minor
10300	Pericrocotus tegimae	13020	Phylloscopus armandii	34140	Platysteira blissetti
15420	Perisoreus canadensis	13070	Phylloscopus bonelli	34150	Platysteira castanea
15430	Perisoreus infaustus	13071	Phylloscopus bonelli bonelli	34160	Platysteira concreta
15440	Perisoreus internigrans	13072	Phylloscopus bonelli orientalis	22700	Platysteira cyanea
02310	Pernis apivorus	12950	Phylloscopus borealis	18500	Plectrophenax nivalis
02320	Pernis ptilorhyncus	12830	Phylloscopus cantator	18502	Plectrophenax nivalis insularis
16010	Petronia brachydactyla	13110	Phylloscopus collybita	18501	Plectrophenax nivalis nivalis
16030	Petronia dentata	13114	Phylloscopus collybita abietinus	01740	Plectropterus gambensis
16040	Petronia petronia	13116	Phylloscopus collybita brehmiiDELETED	01370	Plegadis chihi
16020	Petronia xanthocollis	13117	Phylloscopus collybita canariensis	01360	Plegadis falcinellus
17810	Peucedramus taeniatus	13111	Phylloscopus collybita collybita	22800	Plocepasser mahali
27330	Phacelodromus ruber	13112	Phylloscopus collybita fulvescens	34170	Plocepasser superciliosus
00640	Phaethon aethereus	13115	Phylloscopus collybita ibericus	34180	Ploceus albinucha
00660	Phaethon lepturus	13113	Phylloscopus collybita tristis	34190	Ploceus aurantius
00650	Phaethon rubricauda	12860	Phylloscopus coronatus	34200	Ploceus baglafecht
10440	Phainopepla nitens	12840	Phylloscopus davisoni	34210	Ploceus bannermani
00830	Phalacrocorax africanus	13040	Phylloscopus fulgiventis	34220	Ploceus bicolor
00800	Phalacrocorax aristotelis	13030	Phylloscopus fuscatus	26410	Ploceus capitalis
00801	Phalacrocorax aristotelis aristotelis	13050	Phylloscopus griseolus	26400	Ploceus castaneiceps
00802	Phalacrocorax aristotelis desmarestii	34090	Phylloscopus herberti	20030	Ploceus cucullatus
20190	Phalacrocorax atriceps	12890	Phylloscopus ijimae	16120	Ploceus galbula
20191	Phalacrocorax atriceps atriceps	13000	Phylloscopus inornatus	34230	Ploceus heuglini
20193	Phalacrocorax atriceps georgianus	13002	Phylloscopus inornatus humei	34240	Ploceus insignis
20192	Phalacrocorax atriceps nivalis	13001	Phylloscopus inornatus inornatus	26420	Ploceus intermedius
00780	Phalacrocorax auritus	12970	Phylloscopus maculipennis	34250	Ploceus luteolus
20040	Phalacrocorax capensis	12940	Phylloscopus magnirostris	20410	Ploceus melanocephalus
00730	Phalacrocorax capillatus	13090	Phylloscopus neglectus	34260	Ploceus nigricollis
00720	Phalacrocorax carbo	12910	Phylloscopus nitidus	34270	Ploceus ocellularis
00721	Phalacrocorax carbo carbo	12870	Phylloscopus occipitalis	34280	Ploceus pelzelni
00722	Phalacrocorax carbo sinensis	12920	Phylloscopus plumbeitarsus	34290	Ploceus tricolor
00840	Phalacrocorax niger	12980	Phylloscopus proregulus	34300	Ploceus vitellinus
00810	Phalacrocorax nigrogularis	12981	Phylloscopus proregulus proregulus	04850	Pluvialis apricaria
00790	Phalacrocorax olivaceus	12960	Phylloscopus pulcher	04852	Pluvialis apricaria altifrons
00750	Phalacrocorax pelagicus	12850	Phylloscopus reguloides	04851	Pluvialis apricaria apricaria
00770	Phalacrocorax penicillatus	12820	Phylloscopus ricketti	04840	Pluvialis dominica
00740	Phalacrocorax perspicillatus	13010	Phylloscopus schwarzi	04841	Pluvialis dominica dominica
00820	Phalacrocorax pygmeus	13080	Phylloscopus sibilatrix	04842	Pluvialis dominica fulva
00849	Phalacrocorax sp.	13100	Phylloscopus sindianus	04860	Pluvialis squatarola
00760	Phalacrocorax urile	13129	Phylloscopus sp.	04630	Pluvianus aegyptius
07840	Phalaenoptilus nuttallii	12990	Phylloscopus subviridis	13580	Pnoepyga albiventer
05650	Phalaropus fulicaria	12880	Phylloscopus tenellipes	13590	Pnoepyga pusilla
05640	Phalaropus lobatus	12930	Phylloscopus trochiloides	34310	Podiceps senegalensis
05630	Phalaropus tricolor	13120	Phylloscopus trochilus	00110	Podiceps auritus
03940	Phasianus colchicus	13122	Phylloscopus trochilus acredula	00090	Podiceps cristatus
03950	Phasianus versicolor	13121	Phylloscopus trochilus trochilus	00100	Podiceps grisegena
18850	Pheucticus chrysopleus	13123	Phylloscopus trochilus yakutensis	00120	Podiceps nigricollis
18870	Pheucticus ludovicianus	12900	Phylloscopus tytleri	00129	Podiceps sp.
18860	Pheucticus melanocephalus	12810	Phylloscopus umbrovirens	00060	Podilymbus podiceps
05170	Philomachus pugnax	15500	Pica nuttalli	15520	Podoces biddulphi
03440	Philortyx fasciatus	15490	Pica pica	15510	Podoces hendersoni
20100	Phoebastria palpebrata	15493	Pica pica mauritanica	15530	Podoces panderi
20230	Phoenicopterus chilensis	15492	Pica pica melanotus	15540	Podoces pleskei
01480	Phoenicopterus minor	15491	Pica pica pica	34320	Poeyoptera lugubris
01470	Phoenicopterus ruber	34100	Picathartes oreas	20440	Poephila guttata
01472	Phoenicopterus ruber roseus	27340	Picumnus albosquamatus	34330	Pogoniulus atrovivax
01471	Phoenicopterus ruber ruber	08490	Picumnus innominatus	34340	Pogoniulus bilineatus
33980	Phoeniculus bollei	08580	Picus awokera	34350	Pogoniulus chrysoconus
33990	Phoeniculus castaneiceps	08550	Picus canus	34360	Pogoniulus coryphaeus
34000	Phoeniculus purpureus	08530	Picus chlorolophus	34370	Pogoniulus pusillus
11190	Phoenicurus alaschanicus	08540	Picus flavinucha	34380	Pogoniulus scolopaceus
11260	Phoenicurus aureus	08590	Picus squamatus	34390	Pogoniulus subsulphureus
11200	Phoenicurus caeruleocephalus	08570	Picus vaillantii	34400	Poicephalus guilelmi
11280	Phoenicurus erythrogaster	08560	Picus viridis	34410	Poicephalus robustus
11180	Phoenicurus erythronotus	08562	Picus viridis sharpei	34420	Poicephalus senegalus
11240	Phoenicurus frontalis	08561	Picus viridis viridis	34430	Polemaetus bellicosus
11230	Phoenicurus hodgsoni	34110	Pinarocorys erythropygia	34440	Poliolais lopezi
11270	Phoenicurus moussieri	06370	Pinguinus impennis	13210	Poliophtila caerulea
11210	Phoenicurus ochruros	16990	Pinicola enucleator	27360	Poliophtila dumicola
11213	Phoenicurus ochruros aterrimus	18000	Pipilo aberti	27361	Poliophtila dumicola dumicola
11212	Phoenicurus ochruros gibraltarensis	17970	Pipilo chlorurus	13190	Poliophtila melanura
11211	Phoenicurus ochruros ochruros	17980	Pipilo erythrophthalmus	13200	Poliophtila nigriceps
11220	Phoenicurus phoenicurus	17990	Pipilo fuscus	34450	Polyboroides typus

03020	Polyborus plancus	00270	Pterodroma inexpectata	13152	Regulus ignicapillus teneriffae	DELETED
02090	Polysticta stelleri	00330	Pterodroma leucoptera	13140	Regulus regulus	
13560	Pomatorhinus erythrogyne	00320	Pterodroma longirostris	13141	Regulus regulus regulus	
13570	Pomatorhinus ruficollis	00260	Pterodroma mollis	13142	Regulus regulus teneriffae	
18250	Poecetes gramineus	00262	Pterodroma mollis feae	13160	Regulus satrapa	
04270	Porphyrio porphyrio	00263	Pterodroma mollis madeira	13169	Regulus sp.	
04272	Porphyrio porphyrio madagascariensis	00261	Pterodroma mollis mollis	14900	Remiz pendulinus	
04271	Porphyrio porphyrio porphyrio	00250	Pterodroma neglecta	14902	Remiz pendulinus coronatus	
04250	Porphyrylla alleni	00280	Pterodroma solandri	14903	Remiz pendulinus macronyx	
20150	Porphyrylla flavirostris	34630	Pteronetta hartlaubii	14901	Remiz pendulinus pendulinus	
04260	Porphyrylla martinica	14100	Pteruthius flaviscapis	34710	Rhaphidura sabini	
04160	Porzana bicolor	14110	Pteruthius xanthochloris	34720	Rhinopomastus aterrimus	
04090	Porzana carolina	10450	Ptilogonyx cinereus	34730	Rhinoptilus chalcopterus	
04130	Porzana cinerea	34640	Ptilopachus petrosus	13520	Rhipidura albicollis	
04140	Porzana fusca	34650	Ptilostomus afer	13510	Rhipidura hypoxantha	
04120	Porzana marginalis	06480	Ptychoramphus aleuticus	20280	Rhodopechys githaginea	(=16760
04100	Porzana parva	09900	Ptyonoprogne fuligula		Bucanetes githagineus)	
04150	Porzana paykullii	09910	Ptyonoprogne rupestris	16730	Rhodopechys sanguinea	
04080	Porzana porzana	03820	Pucrasia macrolopha	15100	Rhodophoneus cruentus	
04110	Porzana pusilla	00480	Puffinus assimilis	16740	Rhodospiza obsoleta	
04169	Porzana sp.	00481	Puffinus assimilis assimilis	06010	Rhodostethia rosea	
12300	Prinia atrogularis	00485	Puffinus assimilis bannermani	18900	Rhodothraupis celaeno	
12290	Prinia criniger	00482	Puffinus assimilis baroli	12320	Rhopophilus pekinensis	
34460	Prinia fluviatilis	00483	Puffinus assimilis boydi	11290	Rhyacomis fuliginosus	
12270	Prinia gracilis	00484	Puffinus assimilis persicus	07090	Rhynchopsitta pachyrhyncha	
12280	Prinia inornata	00470	Puffinus auricularis	07100	Rhynchopsitta terrii	
34470	Prinia subflava	00420	Puffinus bulleri	16470	Rhynchostruthus socotranus	
34480	Prionops caniceps	00380	Puffinus carneipes	99999	Ring destroyed or lost	
26490	Prionops plumatus	00390	Puffinus creatopus	34740	Riparia cincta	
27800	Procellaria aequinoctialis	00400	Puffinus gravis	09800	Riparia paludicola	
27790	Procellaria cinera	00430	Puffinus griseus	09810	Riparia riparia	
27810	Procellaria parkinsoni	00490	Puffinus lherminieri	06030	Rissa brevirostris	
27820	Procellaria westlandica	00450	Puffinus nativitatis	06020	Rissa tridactyla	
34490	Prodotiscus insignis	00410	Puffinus pacificus	04490	Rostratula benghalensis	
34500	Prodotiscus regulus	00460	Puffinus puffinus	02370	Rostrhamus sociabilis	
09870	Progne chalybea	00463	Puffinus puffinus mauretanicus	06330	Rynchops flavirostris	
09880	Progne dominicensis	00461	Puffinus puffinus puffinus	06320	Rynchops nigra	
09890	Progne subis	00462	Puffinus puffinus yelkouan	34750	Sagittarius serpentarius	
17000	Propyrrhula subhimachala	00499	Puffinus sp.	10570	Salpinctes mexicanus	
17610	Protonotaria citrea	00440	Puffinus tenuirostris	10560	Salpinctes obsoletus	
10900	Prunella atrogularis	10370	Pycnonotus barbatus	34760	Salpornis spilonotus	
10940	Prunella collaris	10350	Pycnonotus leucogenys	27390	Saltator maximus	
10890	Prunella fagani	10340	Pycnonotus sinensis	08600	Sapheopipo noguchii	
10870	Prunella fulvescens	10360	Pycnonotus xanthopygus	34770	Sarkidiornis melanotos	
10930	Prunella himalayana	10330	Pycnonotus xanthorrhous	34780	Sarothrura boehmi	
10820	Prunella immaculata	20200	Pygoscelis adeliae	34790	Sarothrura elegans	
10910	Prunella koslowi	20210	Pygoscelis antarctica	34800	Sarothrura pulchra	
10840	Prunella modularis	20220	Pygoscelis papua	34810	Sarothrura rufa	
10860	Prunella montanella	34660	Pyrenestes ostrinus	27400	Satrapa icterophrys	
10880	Prunella ocularis	09120	Pyrocephalus rubinus	07300	Saurolthera merlini	
10920	Prunella rubeculoides	15580	Pyrrhocorax graculus	11410	Saxicola caprata	
10830	Prunella rubida	15590	Pyrrhocorax pyrrhocorax	11380	Saxicola dacotiae	
10949	Prunella sp.	17030	Pyrrhoplectes epauletta	11420	Saxicola ferrea	
10850	Prunella strophiate	17070	Pyrrhula aurantiaca	11400	Saxicola insignis	
34510	Psalidoprocne fuliginosa	17090	Pyrrhula erythaca	11360	Saxicola macrorhyncha	
34520	Psalidoprocne holomelas	17080	Pyrrhula erythrocephala	11370	Saxicola rubetra	
34530	Psalidoprocne nitens	17060	Pyrrhula nipalensis	11429	Saxicola sp.	
34540	Psalidoprocne obscura	17100	Pyrrhula pyrrhula	11390	Saxicola torquata	
14310	Psaltriparus minimus	17104	Pyrrhula pyrrhula cineracea	11395	Saxicola torquata hibernans	
34550	Pseudhirundo griseopyga	17102	Pyrrhula pyrrhula europaea	11394	Saxicola torquata maura	
34560	Pseudoalcippe abyssinica	17105	Pyrrhula pyrrhula murina	11393	Saxicola torquata rubicola	
27370	Pseudocolopteryx sclateri	17103	Pyrrhula pyrrhula pileata	11392	Saxicola torquata stejnegeri	
15550	Pseudopodoces humilis	17101	Pyrrhula pyrrhula pyrrhula	11391	Saxicola torquata torquata	
07130	Psittacula derbiana	26000	Pyrrhura orcesi	11600	Saxicoloides fulicata	
26610	Psittacula eupatria	34670	Pyrrhura scandens	09100	Sayornis nigricans	
07140	Psittacula himalayana	34680	Pytilia hypogrammica	09090	Sayornis phoebe	
07120	Psittacula krameri	34690	Pytilia melba	09110	Sayornis saya	
34570	Psittacus erithacus	34700	Pytilia phoenicoptera	06990	Scardafella squammata	
34580	Pternistis achantensis	20240	Quelea quelea	27410	Schiffornis turdinus	
34590	Pternistis bicalcaratus	19040	Quiscalus major	27420	Schistocephalus melanopsis	
34600	Pternistis clappertoni	19020	Quiscalus mexicanus	34820	Schoenicola brevirostris	
34610	Pternistis squamatus	19030	Quiscalus palustris	05310	Scolopax minor	
06620	Pterocles alchata	19050	Quiscalus quiscula	05300	Scolopax mira	
06580	Pterocles coronatus	04030	Rallina eurizonoides	05290	Scolopax rusticola	
06600	Pterocles exustus	04070	Rallus aquaticus	01260	Scopus umbretta	
06570	Pterocles lichtensteinii	04050	Rallus elegans	12310	Scotocerca inquieta	
06610	Pterocles orientalis	04060	Rallus limicola	34830	Scotopelia bouvieri	
34620	Pterocles quadricinctus	04040	Rallus longirostris	34840	Scotopelia peli	
06590	Pterocles senegallus	27380	Ramphocelus carbo	12780	Seiurus burkii	
00240	Pterodroma arminjoniana	09600	Ramphocoris clotbey	17560	Seiurus aurocapillus	
20120	Pterodroma brevirostris	04570	Recurvirostra americana	17580	Seiurus motacilla	
20490	Pterodroma cahow	04560	Recurvirostra avosetta	17570	Seiurus noveboracensis	
00310	Pterodroma cookii	13130	Regulus calendula	08210	Selasphorus platycercus	
00290	Pterodroma hasitata	13150	Regulus ignicapillus	08220	Selasphorus rufus	
00300	Pterodroma hypoleuca	13153	Regulus ignicapillus balearicus	08230	Selasphorus sasin	
20330	Pterodroma incerta	13151	Regulus ignicapillus ignicapillus	34850	Serinus burtoni	

16420	Serinus canaria	05680	Stercorarius longicaudus	12653	Sylvia cantillans albistrata
16440	Serinus citrinella	05700	Stercorarius maccornicki	12651	Sylvia cantillans cantillans
16441	Serinus citrinella citrinella	05670	Stercorarius parasiticus	12652	Sylvia cantillans moltoni
16442	Serinus citrinella corsicana	05660	Stercorarius pomarinus	12750	Sylvia communis
34860	Serinus gularis	05690	Stercorarius skua	12640	Sylvia conspicillata
34870	Serinus leucopygius	05693	Stercorarius skua antarcticus	12740	Sylvia curruca
16460	Serinus menachensis	05692	Stercorarius skua loennbergi	12742	Sylvia curruca blythi
34880	Serinus mozambicus	05691	Stercorarius skua skua	12741	Sylvia curruca curruca
16390	Serinus pusillus	05709	Stercorarius sp.	12743	Sylvia curruca halimodendri
16450	Serinus rothschildi	06240	Sterna albifrons	12744	Sylvia curruca minula
16400	Serinus serinus	06170	Sterna aleutica	12630	Sylvia desertiicola
16410	Serinus syriacus	06220	Sterna anaethetus	12720	Sylvia hortensis
16430	Serinus thibetanus	34990	Sterna balaenarum	12723	Sylvia hortensis balchanica
27430	Serpophaga munda	06090	Sterna bengalensis	12722	Sylvia hortensis crassirostris
17550	Setophaga ruticilla	06080	Sterna bergii	12721	Sylvia hortensis hortensis
34890	Sheppardia cyornithopsis	06060	Sterna caspia	12724	Sylvia hortensis jerdoni
11320	Sialia currucoides	06140	Sterna dougallii	12710	Sylvia leucomelaena
11330	Sialia mexicana	06120	Sterna elegans	12670	Sylvia melanocephala
11340	Sialia sialis	06180	Sterna forsteri	12672	Sylvia melanocephala leucogastra
14720	Sitta canadensis	06230	Sterna fuscata	12671	Sylvia melanocephala melanocephala
14760	Sitta carolinensis	20350	Sterna hirundinacea	12680	Sylvia melanothorax
14780	Sitta castanea	06150	Sterna hirundo	12682	Sylvia melanothorax cypria
14790	Sitta europaea	06210	Sterna lunata	12681	Sylvia melanothorax melanothorax
14792	Sitta europaea asiatica	06070	Sterna maxima	26580	Sylvia minula
14793	Sitta europaea caesia	06160	Sterna paradisaea	12660	Sylvia mystacea
14791	Sitta europaea europaea	06200	Sterna repressa	12700	Sylvia nana
14770	Sitta himalayensis	06110	Sterna sandvicensis	12730	Sylvia nisoria
14690	Sitta krueperi	06250	Sterna saundersi	12690	Sylvia rueppelli
14710	Sitta ledanti	06259	Sterna sp.	12610	Sylvia sarda
14750	Sitta leucopsis	06130	Sterna sumatrana	12612	Sylvia sarda balearica
14810	Sitta neumayer	06190	Sterna trudeaui	12611	Sylvia sarda sarda
14740	Sitta pusilla	20700	Sterna vittata	12779	Sylvia sp.
14730	Sitta pygmaea	06100	Sterna zimmermanni	12620	Sylvia undata
14800	Sitta tephronota	24200	Stiphornis erythrothorax	22900	Sylvietta brachyura
14680	Sitta villosa	06910	Streptopelia chinensis	35030	Sylvietta denti
14700	Sitta whiteheadi	06840	Streptopelia decaocto	24400	Sylvietta virens
14670	Sitta yunnanensis	35000	Streptopelia decipiens	14380	Sylviparus modestus
27440	Sittasomus griseicapillus	35010	Streptopelia hypopyrrha	27490	Synallaxis albescens
34900	Smithornis capensis	06880	Streptopelia lugens	27500	Synallaxis gujanensis
34910	Smithornis rufolateralis	06890	Streptopelia orientalis	27510	Synallaxis hypospodia
34920	Smithornis sharpei	06830	Streptopelia roseo-grisea	06450	Synthliboramphus antiquus
02080	Somateria fischeri	06850	Streptopelia semitorquata	06460	Synthliboramphus wumizusume
02060	Somateria mollissima	06900	Streptopelia senegalensis	03930	Syrnaticus reevesii
02063	Somateria mollissima borealis	06902	Streptopelia senegalensis phoenicophila	03920	Syrnaticus soemmerringii
02062	Somateria mollissima faeroensis	06901	Streptopelia senegalensis senegalensis	06630	Syrnathes paradoxus
02061	Somateria mollissima mollissima	06919	Streptopelia sp.	06640	Syrnathes tibetanus
02064	Somateria mollissima nigrum	06860	Streptopelia tranquebarica	00080	Tachybaptus dominicus
02089	Somateria sp.	06870	Streptopelia turtur	00070	Tachybaptus ruficollis
02070	Somateria spectabilis	26510	Streptopelia vinacea	09840	Tachycineta albilinea
24995	Species not accepted	07719	Strigidae	09830	Tachycineta bicolor
00000	Species unknown	07610	Strix aluco	09860	Tachycineta cyaneoviridis
13600	Spelaeornis troglodytoides	07620	Strix butleri	09850	Tachycineta thalassina
34930	Spermestes bicolor	07600	Strix leptogrammica	35040	Tachymarptis aequatorialis
34940	Spermestes cucullatus	07660	Strix nebulosa	26660	Tadorna cana
34950	Spermestes fringilloides	07640	Strix occidentalis	01720	Tadorna cristata
25500	Spermophaga haematina	07669	Strix sp.	01710	Tadorna ferruginea
08730	Sphyrapicus nuchalis	07650	Strix uralensis	26650	Tadorna radjah
08740	Sphyrapicus ruber	07630	Strix varia	01730	Tadorna tadorna
08750	Sphyrapicus thyroideus	35020	Strix woodfordii	26670	Tadorna tadornoides
08720	Sphyrapicus varius	00010	Struthio camelus	26680	Tadorna variegata
34960	Spiloptila clamans	19070	Sturnella magna	27520	Tapera naevia
02580	Spilornis cheela	19060	Sturnella neglecta	27530	Taraba major
17900	Spindalis zena	15850	Sturnus cineraceus	11140	Tarsiger chrysaeus
18840	Spiza americana	15770	Sturnus pagodarum	11130	Tarsiger cyanurus
34970	Spizaetus africanus	15800	Sturnus philippensis	11160	Tarsiger hyperythrus
03000	Spizaetus nipalensis	15840	Sturnus roseus	11150	Tarsiger indicus
18170	Spizella arborea	15780	Sturnus sericeus	35050	Tauraco leucolophus
18230	Spizella atrogularis	15810	Sturnus sinensis	35060	Tauraco macrohynchus
18200	Spizella breweri	15859	Sturnus sp.	35070	Tauraco persa
18190	Spizella pallida	15790	Sturnus sturminus	35080	Tchagra australis
18180	Spizella passerina	15830	Sturnus unicolor	35090	Tchagra minuta
18210	Spizella pusilla	15820	Sturnus vulgaris	15090	Tchagra senegala
18220	Spizella wortheni	00710	Sula bassana	24800	Tchitrea rufiventer (= 23000 Terpsiphone rufiventer)
10310	Spizixos canifrons	00712	Sula bassana capensis		
10320	Spizixos semitorques	20500	Sula capensis (= 00712 Sula bassana capensis)	35100	Telacanthura melanopygia
27450	Sporophila caerulescens	00680	Sula dactylatra	35110	Telacanthura ussheri
27460	Sporophila collaris	00700	Sula leucogaster	35120	Telophorus multicolor
27470	Sporophila leucoptera	00690	Sula neboxii	35130	Telophorus sulfureopectus
27472	Sporophila leucoptera bicolor	00670	Sula sula	10240	Tephrodornis pondicerianus
27471	Sporophila leucoptera leucoptera	07500	Sumia ulula	02570	Terathopius ecaudatus
27480	Sporophila ruficollis	12770	Sylvia atricapilla	13550	Terpsiphone atrocaudata
18040	Sporophila torqueola	12771	Sylvia atricapilla atricapilla	13540	Terpsiphone paradisi
34980	Sporopipes frontalis	12772	Sylvia atricapilla heineken	23000	Terpsiphone rufiventer
13610	Stachyris ruficeps	12760	Sylvia borin	35140	Terpsiphone rufocinerea
09820	Stelgidopteryx ruficollis	12650	Sylvia cantillans	13530	Terpsiphone viridis
08190	Stellula calliope			12120	Tesia castaneocoronata

03330	Tetrao mlokosiewiczii	08250	Trogon elegans	06340	Uria aalge
03340	Tetrao parvirostris	27640	Trogon melanurus	06350	Uria lomvia
03320	Tetrao tetrix	08240	Trogon mexicanus	06359	Uria sp.
03350	Tetrao urogallus	35300	Tropicranus albocristatus	15460	Urocissa erythrorhyncha
03540	Tetraogallus altaicus	05160	Turdoides subruficollis	15450	Urocissa flavirostris
03510	Tetraogallus caspius	13770	Turdoides altirostris	35380	Urocolius macrourus
03500	Tetraogallus caucasicus	13780	Turdoides caudatus	17050	Urocynchramus pylzowi
03520	Tetraogallus himalayensis	13800	Turdoides fulvus	35390	Urolais epichlora
03530	Tetraogallus tibetanus	35310	Turdoides plebejus	35400	Urotriorchis macrourus
03480	Tetrao phasis obscurus	35320	Turdoides reinwardtii	26470	Vanellus albiceps
03490	Tetrao phasis szechenyii	13790	Turdoides squamiceps	35410	Vanellus crassirostris
04420	Tetrax tetrax	12060	Turdus albicollis	35420	Vanellus lugubris
20020	Thalassoica antarctica	11850	Turdus albocinctus	35430	Vanellus senegallus
35150	Thalassomis leuconotus	27650	Turdus amaurochalinus	35440	Vanellus superciliosus
35160	Thamnolaea cinnamomeiventris	11840	Turdus cardis	35450	Vanellus tectus
35170	Thamnolaea coronata	11910	Turdus celaeonops	04930	Vanellus vanellus
27540	Thamnophilus doliatus	11900	Turdus chrysolais	27670	Veniliornis passerinus
27541	Thamnophilus doliatus doliatus	11920	Turdus feae	17210	Vermivora bachmanii
27550	Thamnophilus punctatus	12050	Turdus grayi	17250	Vermivora celata
27560	Thamnophilus schistaceus	27660	Turdus hauwellii	17220	Vermivora chrysoptera
35180	Thescelocichla leucopleura	11930	Turdus hortolorum	17280	Vermivora crissalis
27570	Thlypopsis sordida	12010	Turdus iliacus	17290	Vermivora luciae
27580	Thraupis palmarum	12012	Turdus iliacus coburni	17240	Vermivora peregrina
27590	Thraupis sayaca	12011	Turdus iliacus iliacus	17230	Vermivora pinus
01420	Threskiornis aethiopicus	11890	Turdus kessleri	17260	Vermivora ruficapilla
01430	Threskiornis melanocephalus	11820	Turdus menachensis	17300	Vermivora superciliosa
10600	Thryomanes bewickii	11870	Turdus merula	17270	Vermivora virginiae
10610	Thryothorus felix	11872	Turdus merula cabreriae	35460	Vidua chalybeata
27600	Thryothorus genibarbis	11871	Turdus merula merula	35470	Vidua funerea
27610	Thryothorus guarayanus	12030	Turdus migratorius	35480	Vidua interjecta
10630	Thryothorus ludovicianus	11990	Turdus mupinensis	35490	Vidua larvaticola
10620	Thryothorus maculipectus	11960	Turdus naumanni	26430	Vidua macroura
10640	Thryothorus sinaloa	11962	Turdus naumanni eunomus	35500	Vidua maryae
18030	Tiaris bicolor	11961	Turdus naumanni naumanni	35510	Vidua nigeriae
18020	Tiaris canora	11950	Turdus obscurus	35520	Vidua paradisaea
14820	Tichodroma muraria	11940	Turdus pallidus	35530	Vidua raricola
35190	Tigriornis leucolophus	26530	Turdus pelios	35540	Vidua wilsoni
09050	Tityra semifasciata	12000	Turdus philomelos	16340	Vireo altiloquus
35200	Tockus camurus	12002	Turdus philomelos clarkei	16210	Vireo atricapillus
35210	Tockus erythrorhynchus	12001	Turdus philomelos philomelos	16250	Vireo bellii
35220	Tockus fasciatus	11980	Turdus pilaris	16240	Vireo crassirostris
35230	Tockus hartlaubi	11880	Turdus rubrocanus	16280	Vireo flavifrons
08470	Tockus nasutus	11970	Turdus ruficollis	16320	Vireo flavoviridis
27620	Todirostrum latirostre	11972	Turdus ruficollis atrogularis	16350	Vireo gilvus
27630	Tolmomyias sulphurescens	11971	Turdus ruficollis ruficollis	16230	Vireo griseus
02540	Torgos tracheliotus	12040	Turdus rufopalliatus	16290	Vireo huttoni
10710	Toxostoma bendirei	12069	Turdus sp.	16300	Vireo hypochryseus
10720	Toxostoma cinereum	11860	Turdus torquatus	16330	Vireo olivaceus
10740	Toxostoma curvirostre	11862	Turdus torquatus alpestris	16220	Vireo pallens
10760	Toxostoma dorsale	11861	Turdus torquatus torquatus	16310	Vireo philadelphicus
10750	Toxostoma lecontei	11830	Turdus unicolor	16270	Vireo solitarius
10700	Toxostoma longirostre	12020	Turdus viscivorus	16260	Vireo vicinior
10730	Toxostoma ocellatum	35330	Turnix nana	18050	Volatinia jacarina
10770	Toxostoma redivivum	04020	Turnix suscitator	17730	Wilsonia canadensis
10690	Toxostoma rufum	04000	Turnix sylvatica	17710	Wilsonia citrina
35240	Trachyphonus margaritatus	04010	Turnix tanki	17720	Wilsonia pusilla
35250	Trachyphonus purpuratus	35340	Turtur abyssinicus	19110	Xanthocephalus xanthocephalus
03800	Tragopan blythii	20010	Turtur afer	27680	Xenops tenuirostris
03780	Tragopan melanocephalus	35350	Turtur brehmeri	09250	Xenotriccus mexicanus
03790	Tragopan satyra	35360	Turtur tympanistria	05550	Xenus cinereus
03810	Tragopan temminckii	23300	Tympanistria tympanistria	09020	Xiphorhynchus flavigaster
35260	Treron calva	03360	Tympanuchus cupido	27690	Xiphorhynchus guttatus
07060	Treron formosae	03370	Tympanuchus phasianellus	27691	Xiphorhynchus guttatus guttatus
07050	Treron sieboldii	09470	Tyrannus caudifasciatus	27700	Xiphorhynchus picus
07040	Treron sphenura	09440	Tyrannus couchii	27710	Xolmis velata
07030	Treron waalia	09430	Tyrannus crassirostris	14280	Yuhina diademata
25000	Trichastoma moloneyanum	09460	Tyrannus cubensis	14270	Yuhina gularis
	(taxonomic origin unknown)	09450	Tyrannus dominicensis	14300	Yuhina nigrimenta
35270	Tricholaema hirsuta	09480	Tyrannus tyrannus	14290	Yuhina occipitalis
35280	Trigonoceps occipitalis	09420	Tyrannus verticalis	06970	Zenaida asiatica
05450	Tringa erythropus	09410	Tyrannus vociferans	06960	Zenaida aurita
05510	Tringa flavipes	07350	Tyto alba	06950	Zenaida macroura
05540	Tringa glareola	07351	Tyto alba alba	18400	Zonotrichia albicollis
05490	Tringa guttifer	07352	Tyto alba guttata	18410	Zonotrichia atricapilla
05500	Tringa melanoleuca	35370	Upupa africana (= 08467 U.e.a.)	18370	Zonotrichia georgiana
05480	Tringa nebularia	08460	Upupa epops	18340	Zonotrichia iliaca
05530	Tringa ochropus	08467	Upupa epops africana	18341	Zonotrichia iliaca iliaca
05520	Tringa solitaria	08462	Upupa epops ceylonensis	18390	Zonotrichia leucophrys
05470	Tringa stagnatilis	08461	Upupa epops epops	18360	Zonotrichia lincolni
05460	Tringa totanus	08463	Upupa epops longirostris	18350	Zonotrichia melodia (= Melospiza melodia)
05462	Tringa totanus robusta	08464	Upupa epops major	18380	Zonotrichia querula
05461	Tringa totanus totanus	08468	Upupa epops marginata	35550	Zoothera crossleyi
23100	Trochocercus cyanomelas	08465	Upupa epops senegalensis	11700	Zoothera dauma
35290	Trochocercus nitens	08466	Upupa epops waibeli	11690	Zoothera dixoni
10650	Troglodytes aedon	16140	Uraeginthus bengalus	11680	Zoothera mollissima
10660	Troglodytes troglodytes	17040	Uragus sibiricus	11720	Zoothera naevia

11730 Zootera pinicola
35560 Zootera princei
11710 Zootera sibirica
15040 Zosterops abyssinica
15020 Zosterops erythropleura
15030 Zosterops japonica
15010 Zosterops palpebrosa
35570 Zosterops senegalensis
15049 Zosterops sp.
90052 domesticated duck x 01860 ('domesticus'
male x A.p.female)

Species in order of EURING-code:

000000	Species unknown	000000	Species unknown	00639	Oceanodroma sp.
24995	Species not accepted	000010	Struthio camelus	00640	Phaethon aethereus
24997	Cage & exotic birds	000020	Gavia stellata	00650	Phaethon rubricauda
24998	Hybrids & intermediates	000030	Gavia arctica	00660	Phaethon lepturus
99999	Ring destroyed or lost	000031	Gavia arctica arctica	00670	Sula sula
		000032	Gavia arctica viridigularis	00680	Sula dactylatra
		000040	Gavia immer	00690	Sula nebulosus
		000050	Gavia adamsii	00700	Sula leucogaster
000059	Gavia sp.	000059	Gavia sp.	00710	Sula bassana
000129	Podiceps sp.	000060	Podilymbus podiceps	00712	Sula bassana capensis
000499	Puffinus sp.	000070	Tachybaptus ruficollis	00720	Phalacrocorax carbo
00639	Oceanodroma sp.	000080	Tachybaptus dominicus	00721	Phalacrocorax carbo carbo
00849	Phalacrocorax sp.	000090	Podiceps cristatus	00722	Phalacrocorax carbo sinensis
00919	Pelecanus sp.	001000	Podiceps grisegena	00730	Phalacrocorax capillatus
01219	Egretta sp.	001110	Podiceps auritus	00740	Phalacrocorax perspicillatus
01259	Ardea sp.	001200	Podiceps nigricollis	00750	Phalacrocorax pelagicus
01349	Ciconia sp.	001290	Podiceps sp.	00760	Phalacrocorax urile
01559	Cygnus sp.	001300	Aechmophorus occidentalis	00770	Phalacrocorax penicillatus
01659	Anser spp.	001400	Diomedea melanophris	00780	Phalacrocorax auritus
01699	Branta sp.	001500	Diomedea chlororhynchos	00790	Phalacrocorax olivaceus
01949	Anas sp.	001600	Diomedea cauta	00800	Phalacrocorax aristotelis
02059	Aythya sp.	001700	Diomedea nigripes	00801	Phalacrocorax aristotelis aristotelis
02089	Somateria sp.	001800	Diomedea immutabilis	00802	Phalacrocorax aristotelis desmarestii
02239	Mergus sp.	001900	Diomedea albatrus	00810	Phalacrocorax nigrogularis
02399	Milvus sp.	002000	Diomedea exulans	00820	Phalacrocorax pygmeus
02649	Circus sp.	002100	Macronectes giganteus	00830	Phalacrocorax africanus
02749	Accipiter sp.	002200	Fulmarus glacialis	00840	Phalacrocorax niger
02919	Buteo spp.	002210	Fulmarus glacialis glacialis	00849	Phalacrocorax sp.
02979	Aquila sp.	002300	Daption capense	00850	Anhinga anhinga
03219	Falco sp.	002400	Pterodroma arminjoniana	00860	Anhinga melanogaster
03699	Perdix sp.	002500	Pterodroma neglecta	00870	Pelecanus erythrorhynchos
04169	Porzana sp.	002600	Pterodroma mollis	00880	Pelecanus onocrotalus
04409	Grus sp.	002610	Pterodroma mollis mollis	00890	Pelecanus crispus
04689	Charadrius sp.	002620	Pterodroma mollis feae	00900	Pelecanus rufescens
04839	Charadrius sp.	002630	Pterodroma mollis madeira	00910	Pelecanus occidentalis
05129	Calidris spp.	002700	Pterodroma inexpectata	00919	Pelecanus sp.
05439	Numenius sp.	002800	Pterodroma solandri	00920	Fregata minor
05659	Limicolae	002900	Pterodroma hasitata	00930	Fregata magnificens
05709	Stercorarius sp.	003000	Pterodroma hypoleuca	00940	Fregata ariel
06009	Larus sp.	003100	Pterodroma cookii	00950	Botaurus stellaris
06259	Sterna sp.	003200	Pterodroma longirostris	00960	Botaurus lentiginosus
06289	Chlidonias sp.	003300	Pterodroma leucoptera	00970	Ixobrychus exilis
06359	Uria sp.	003400	Bulweria bulwerii	00980	Ixobrychus minutus
06409	Cephus spp.	003500	Bulweria fallax	00990	Ixobrychus sinensis
06429	Brachyramphus sp.	003600	Calonectris diomedea	01000	Ixobrychus eurhythmus
06829	Columba sp.	003700	Calonectris leucomelas	01010	Ixobrychus cinnamomeus
06919	Streptopelia sp.	003800	Puffinus carneipes	01020	Ardeirallus sturmii
07669	Strix sp.	003900	Puffinus creatopus	01030	Gorsachius goisagi
07719	Strigidae	004000	Puffinus gravis	01040	Nycticorax nycticorax
07839	Caprimulgus spp.	004100	Puffinus pacificus	01050	Nycticorax caledonicus
08009	Apus sp.	004200	Puffinus bulleri	01060	Nycticorax violaceus
08979	Dendrocygna sp.	004300	Puffinus griseus	01070	Butorides striatus
09739	Galerida sp.	004400	Puffinus tenuirostris	01080	Ardeola ralloides
09799	Alauda sp.	004500	Puffinus nativitatis	01090	Ardeola grayii
10019	Hirundinidae	004600	Puffinus puffinus	01100	Ardeola bacchus
10159	Anthus spp.	004610	Puffinus puffinus puffinus	01110	Bulbulcus ibis
10239	Motacilla sp.	004620	Puffinus puffinus yelkouan	01120	Hydranassa caerulea
10949	Prunella sp.	004630	Puffinus puffinus mauretanicus	01130	Hydranassa tricolor
11129	Luscinia sp.	004700	Puffinus auricularis	01140	Hydranassa rufescens
11289	Phoenicurus sp.	004800	Puffinus assimilis	01150	Egretta thula
11429	Saxicola sp.	004810	Puffinus assimilis assimilis	01160	Egretta eulophotes
11589	Oenanthe sp.	004820	Puffinus assimilis baroli	01170	Egretta sacra
12069	Turdus sp.	004830	Puffinus assimilis boydi	01180	Egretta gularis
12399	Locustella sp.	004840	Puffinus assimilis persicus	01181	Egretta gularis gularis
12549	Acrocephalus sp.	004850	Puffinus assimilis bannermani	01182	Egretta gularis schistacea
12609	Hippolais sp.	004900	Puffinus lherminieri	01190	Egretta garzetta
12779	Sylvia sp.	004990	Puffinus sp.	01200	Egretta intermedia
13129	Phylloscopus sp.	005000	Oceanites oceanicus	01210	Egretta alba
13169	Regulus sp.	005100	Pelagodroma marina	01219	Egretta sp.
13369	Muscicapa sp.	005200	Hydrobates pelagicus	01220	Ardea cinerea
14669	Parus sp.	005210	Hydrobates pelagicus pelagicus	01230	Ardea herodias
15049	Zosterops sp.	005220	Hydrobates pelagicus melitensis	01240	Ardea purpurea
15249	Lanius sp.	005300	Halocyptena microsoma	01250	Ardea goliath
15749	Corvus sp.	005400	Oceanodroma furcata	01259	Ardea sp.
15859	Sturnus sp.	005500	Oceanodroma leucorhoa	01260	Scopus umbretta
16009	Passer sp.	005600	Oceanodroma monorhis	01270	Mycteria americana
16389	Fringilla sp.	005700	Oceanodroma homochroa	01280	Mycteria leucocephala
16649	Carduelis spp.	005800	Oceanodroma castro	01290	Mycteria ibis
16689	Loxia sp.	005900	Oceanodroma tethys	01300	Anastomus oscitanus
18819	Emberiza sp.	006000	Oceanodroma melania	01310	Ciconia nigra
20439	Estrilda sp.	006100	Oceanodroma matsudairae	01320	Ciconia abdimii
20459	Lonchura sp.	006200	Oceanodroma macrodactyla	01330	Ciconia episcopus
		006300	Oceanodroma tristrami	01340	Ciconia ciconia
99999	Ring destroyed or lost				

Ø1349	Ciconia sp.	Ø1940	Anas clypeata	Ø2650	Melierax metabates
Ø1350	Leptoptilos crumeniferus	Ø1949	Anas sp.	Ø2660	Micronisus gabar
Ø1360	Plegadis falcinellus	Ø1950	Marmaronetta angustirostris	Ø2670	Accipiter gentilis
Ø1370	Plegadis chihi	Ø1960	Netta rufina	Ø2680	Accipiter virgatus
Ø1380	Eudocimus albus	Ø1970	Aythya valisineria	Ø2690	Accipiter nisus
Ø1390	Eudocimus ruber	Ø1980	Aythya ferina	Ø2692	Accipiter nisus nisosimilis
Ø1400	Geronticus eremita	Ø1990	Aythya americana	Ø2700	Accipiter striatus
Ø1410	Nipponia nippon	Ø2000	Aythya collaris	Ø2710	Accipiter soloensis
Ø1420	Threskiornis aethiopicus	Ø2010	Aythya baeri	Ø2720	Accipiter badius
Ø1430	Threskiornis melanocephalus	Ø2020	Aythya nyroca	Ø2730	Accipiter brevipes
Ø1440	Platalea leucorodia	Ø2030	Aythya fuligula	Ø2740	Accipiter cooperii
Ø1450	Platalea minor	Ø2040	Aythya marila	Ø2749	Accipiter sp.
Ø1460	Platalea ajaja	Ø2050	Aythya affinis	Ø2750	Butastur teesa
Ø1470	Phoenicopterus ruber	Ø2059	Aythya sp.	Ø2760	Butastur indicus
Ø1471	Phoenicopterus ruber ruber	Ø2060	Somateria mollissima	Ø2770	Buteogallus anthracinus
Ø1472	Phoenicopterus ruber roseus	Ø2061	Somateria mollissima mollissima	Ø2780	Parabuteo unicinctus
Ø1480	Phoenicopterus minor	Ø2062	Somateria mollissima faeroensis	Ø2790	Buteo nitidus
Ø1490	Dendrocygna bicolor	Ø2063	Somateria mollissima borealis	Ø2800	Buteo platypterus
Ø1500	Dendrocygna arborea	Ø2064	Somateria mollissima nigrum	Ø2810	Buteo lineatus
Ø1510	Dendrocygna autumnalis	Ø2070	Somateria spectabilis	Ø2820	Buteo swainsonii
Ø1520	Cygnus olor	Ø2080	Somateria fischeri	Ø2830	Buteo brachyurus
Ø1530	Cygnus columbianus	Ø2089	Somateria sp.	Ø2840	Buteo albicaudatus
Ø1531	Cygnus columbianus columbianus	Ø2090	Polysticta stelleri	Ø2850	Buteo albonotatus
Ø1532	Cygnus columbianus bewickii	Ø2100	Camporhynchus labradorius	Ø2860	Buteo jamaicensis
Ø1540	Cygnus cygnus	Ø2110	Histrionicus histrionicus	Ø2870	Buteo buteo
Ø1550	Cygnus buccinator	Ø2120	Clangula hyemalis	Ø2871	Buteo buteo buteo
Ø1559	Cygnus sp.	Ø2130	Melanitta nigra	Ø2872	Buteo buteo vulpinus
Ø1560	Anser cygnoides	Ø2131	Melanitta nigra nigra	Ø2873	Buteo buteo insularum
Ø1570	Anser fabalis	Ø2132	Melanitta nigra americana	Ø2880	Buteo rufinus
Ø1571	Anser fabalis fabalis	Ø2140	Melanitta perspicillata	Ø2890	Buteo hemilasius
Ø1572	Anser fabalis jonanseni	Ø2150	Melanitta fusca	Ø2900	Buteo lagopus
Ø1573	Anser fabalis neglecticus	Ø2151	Melanitta fusca fusca	Ø2910	Buteo regalis
Ø1574	Anser fabalis rossicus	Ø2152	Melanitta fusca deglandi	Ø2919	Buteo spp.
Ø1580	Anser brachyrhynchus	Ø2153	Melanitta fusca stejnegeri	Ø2920	Aquila pomarina
Ø1590	Anser albifrons	Ø2160	Bucephala albeola	Ø2930	Aquila clanga
Ø1591	Anser albifrons albifrons	Ø2170	Bucephala islandica	Ø2940	Aquila rapax
Ø1592	Anser albifrons flavirostris	Ø2180	Bucephala clangula	Ø2941	Aquila rapax rapax
Ø1600	Anser erythropus	Ø2190	Mergus cucullatus	Ø2942	Aquila rapax nipalensis
Ø1610	Anser anser	Ø2200	Mergus albellus	Ø2950	Aquila heliaca
Ø1620	Anser indicus	Ø2210	Mergus serrator	Ø2951	Aquila heliaca heliaca
Ø1630	Anser caerulescens	Ø2220	Mergus squamatus	Ø2952	Aquila heliaca adalberti
Ø1631	Anser caerulescens caerulescens	Ø2230	Mergus merganser	Ø2960	Aquila chrysaetos
Ø1632	Anser caerulescens atlanticus	Ø2239	Mergus sp.	Ø2970	Aquila verreauxii
Ø1640	Anser rossii	Ø2240	Oxyura dominica	Ø2979	Aquila sp.
Ø1650	Anser canagicus	Ø2250	Oxyura jamaicensis	Ø2980	Hieraaetus pennatus
Ø1659	Anser spp.	Ø2260	Oxyura leucocephala	Ø2990	Hieraaetus fasciatus
Ø1660	Branta canadensis	Ø2270	Cathartes aura	Ø3000	Spizaetus nipalensis
Ø1661	Branta canadensis canadensis	Ø2280	Coragyps atratus	Ø3010	Pandion haliaetus
Ø1662	Branta canadensis occidentalis	Ø2290	Gymnogyps californianus	Ø3020	Polyborus plancus
Ø1663	Branta canadensis parvipes	Ø2300	Chondrohierax uncinatus	Ø3030	Falco naumanni
Ø1664	Branta canadensis hutchinsii	Ø2310	Pernis apivorus	Ø3040	Falco tinnunculus
Ø1665	Branta canadensis asiatica	Ø2320	Pernis ptilorhynchus	Ø3050	Falco sparverius
Ø1670	Branta leucopsis	Ø2330	Elanoides forficatus	Ø3060	Falco chicquera
Ø1680	Branta bernicla	Ø2340	Elanus leucurus	Ø3070	Falco vespertinus
Ø1681	Branta bernicla bernicla	Ø2350	Elanus caeruleus	Ø3080	Falco amurensis
Ø1682	Branta bernicla hrota	Ø2360	Ictinia mississippiensis	Ø3090	Falco columbarius
Ø1683	Branta bernicla nigricans	Ø2370	Rostrhamus sociabilis	Ø3092	Falco columbarius subaesalon
Ø1690	Branta ruficollis	Ø2380	Milvus migrans	Ø3100	Falco subbuteo
Ø1699	Branta sp.	Ø2390	Milvus milvus	Ø3110	Falco eleonorae
Ø1700	Alopochen aegyptiacus	Ø2399	Milvus sp.	Ø3120	Falco concolor
Ø1710	Tadorna ferruginea	Ø2400	Haliaeetus indus	Ø3130	Falco femoralis
Ø1720	Tadorna cristata	Ø2410	Haliaeetus vocifer	Ø3140	Falco biarmicus
Ø1730	Tadorna tadorna	Ø2420	Haliaeetus leucoryphus	Ø3150	Falco jagger
Ø1740	Plectropterus gambensis	Ø2430	Haliaeetus albicilla	Ø3160	Falco cherrug
Ø1750	Cairina moschata	Ø2440	Haliaeetus leucocephalus	Ø3170	Falco altaicus
Ø1760	Nettapus coromandelianus	Ø2450	Haliaeetus pelagicus	Ø3180	Falco rusticolus
Ø1770	Aix sponsa	Ø2460	Gypaetus barbatus	Ø3190	Falco mexicanus
Ø1780	Aix galericulata	Ø2470	Neophron percnopterus	Ø3200	Falco peregrinus
Ø1790	Anas penelope	Ø2480	Necrosyrtes monachus	Ø3201	Falco peregrinus peregrinus
Ø1800	Anas americana	Ø2490	Gyps bengalensis	Ø3202	Falco peregrinus brookei
Ø1810	Anas falcata	Ø2500	Gyps indicus	Ø3210	Falco pelegrinoides
Ø1820	Anas strepera	Ø2510	Gyps fulvus	Ø3219	Falco sp.
Ø1830	Anas formosa	Ø2520	Gyps himalayensis	Ø3220	Ortalis vetula
Ø1840	Anas crecca	Ø2530	Gyps rueppellii	Ø3230	Dendragapus falcipennis
Ø1841	Anas crecca crecca	Ø2540	Torgos tracheliotus	Ø3240	Dendragapus canadensis
Ø1842	Anas crecca carolinensis	Ø2550	Aegypius monachus	Ø3250	Dendragapus obscurus
Ø1843	Anas crecca nimia	Ø2560	Circaetus gallicus	Ø3260	Bonasa bonasia
Ø1850	Anas capensis	Ø2570	Terathopus ecaudatus	Ø3270	Bonasa sewerzowi
Ø1860	Anas platyrhynchos	Ø2580	Spilornis cheela	Ø3280	Bonasa umbellus
Ø1870	Anas rubripes	Ø2590	Geranospiza caerulescens	Ø3290	Lagopus lagopus
Ø1880	Anas poecilorhyncha	Ø2600	Circus aeruginosus	Ø3291	Lagopus lagopus lagopus
Ø1890	Anas acuta	Ø2610	Circus cyaneus	Ø3292	Lagopus lagopus scoticus
Ø1900	Anas bahamensis	Ø2620	Circus macrourus	Ø3300	Lagopus mutus
Ø1910	Anas querquedula	Ø2630	Circus pygargus	Ø3310	Lagopus leucurus
Ø1920	Anas discors	Ø2640	Circus melanoleucus	Ø3320	Tetrao tetrix
Ø1930	Anas cyanoptera	Ø2649	Circus sp.	Ø3330	Tetrao mlkosiewiczzi

03340	Tetrao parvirostris	04180	Coturnicops noveboracensis	04850	Pluvialis apricaria
03350	Tetrao urogallus	04190	Laterallus jamaicensis	04851	Pluvialis apricaria apricaria
03360	Tympanuchus cupido	04200	Limnocolax flavirostra	04852	Pluvialis apricaria altifrons
03370	Tympanuchus phasianellus	04210	Crex crex	04860	Pluvialis squatarola
03380	Centrocercus urophasianus	04220	Amaurornis akool	04870	Hoplopterus spinosus
03390	Callipepla picta	04230	Amaurornis phoenicurus	04880	Hoplopterus tectus
03400	Callipepla squamata	04240	Gallinula chloropus	04890	Hoplopterus cinereus
03410	Callipepla californica	04250	Porphyryla alleni	04900	Hoplopterus indicus
03420	Callipepla gambelii	04260	Porphyryla martinica	04910	Chettusia gregaria
03430	Callipepla douglasii	04270	Porphyrio porphyrio	04920	Chettusia leucura
03440	Philortyx fasciatus	04271	Porphyrio porphyrio porphyrio	04930	Vanellus vanellus
03450	Colinus virginianus	04272	Porphyrio porphyrio	04940	Aphriza virgata
03460	Cyrtonyx montezumae		madagascariensis	04950	Calidris tenuirostris
03470	Lerwa lerwa	04280	Gallicrex cinerea	04960	Calidris canutus
03480	Tetrao phasis obscurus	04290	Fulica atra	04961	Calidris canutus canutus
03490	Tetrao phasis szechenyi	04300	Fulica americana	04962	Calidris canutus islandicus
03500	Tetraogallus caucasicus	04310	Fulica cristata	04970	Calidris alba
03510	Tetraogallus caspius	04320	Aramus guarauna	04980	Calidris pusilla
03520	Tetraogallus himalayensis	04330	Grus grus	04990	Calidris mauri
03530	Tetraogallus tibetanus	04340	Grus nigricollis	05000	Calidris ruficollis
03540	Tetraogallus altaicus	04350	Grus monacha	05010	Calidris minuta
03550	Alectoris chukar	04360	Grus canadensis	05020	Calidris temminckii
03560	Alectoris magna	04370	Grus vipio	05030	Calidris subminuta
03570	Alectoris graeca	04380	Grus japonensis	05040	Calidris minutilla
03580	Alectoris rufa	04390	Grus americana	05050	Calidris fuscicollis
03590	Alectoris barbara	04400	Grus leucogeranus	05060	Calidris bairdii
03600	Alectoris philbyi	04409	Grus sp.	05070	Calidris melanotos
03610	Alectoris melanocephala	04410	Anthropoides virgo	05080	Calidris acuminata
03620	Ammoperdix griseogularis	04420	Tetrax tetrax	05090	Calidris ferruginea
03630	Ammoperdix heyi	04430	Neotis denhami	05100	Calidris maritima
03640	Francolinus francolinus	04440	Chlamydotis undulata	05110	Calidris ptilocnemis
03650	Francolinus pondicerianus	04441	Chlamydotis undulata undulata	05120	Calidris alpina
03660	Francolinus bicalcaratus	04442	Chlamydotis undulata macqueenii	05121	Calidris alpina alpina
03670	Perdix perdix	04443	Chlamydotis undulata	05122	Calidris alpina arctica
03680	Perdix dauuricae		fuertaventurae	05123	Calidris alpina schinzii
03690	Perdix hodgsoniae	04450	Ardeotis arabs	05128	Calidris alpina schinzii / arctica
03699	Perdix sp.	04460	Otis tarda	05129	Calidris spp.
03700	Coturnix coturnix	04470	Hydrophasianus chirurgus	05130	Eurynorhynchus pygmeus
03710	Coturnix japonica	04480	Jacana spinosa	05140	Limicola falcinellus
03720	Perdicula asiatica	04490	Rostratula benghalensis	05150	Micropalama himantopus
03730	Arborophila torqueola	04500	Haematopus ostralegus	05160	Tryngites subruficollis
03740	Arborophila rufogularis	04510	Haematopus palliatus	05170	Philomachus pugnax
03750	Arborophila rufipectus	04520	Haematopus bachmani	05180	Lymnocyrtus minimus
03760	Bambusica thoracica	04530	Haematopus moquini	05190	Gallinago gallinago
03770	Ithaginis cruentus	04540	Ibidorhyncha struthersii	05200	Gallinago media
03780	Tragopan melanocephalus	04550	Himantopus himantopus	05210	Gallinago stenura
03790	Tragopan satyra	04560	Recurvirostra avosetta	05220	Gallinago mekala
03800	Tragopan blythii	04570	Recurvirostra americana	05230	Gallinago hardwickii
03810	Tragopan temminckii	04580	Dromas ardeola	05240	Gallinago solitaria
03820	Pucrasia macrolopha	04590	Burhinus oedicnemus	05250	Gallinago nemoricola
03830	Lophophorus impejanus	04600	Burhinus senegalensis	05260	Limnodromus griseus
03840	Lophophorus sclateri	04610	Burhinus capensis	05270	Limnodromus scolopaceus
03850	Lophophorus lhuysii	04620	Esacus recurvirostris	05280	Limnodromus scopolalmatus
03860	Gallus gallus	04630	Pluvianus aegyptius	05290	Scolopax rusticola
03870	Lophura leucomelana	04640	Cursorius cursor	05300	Scolopax mira
03880	Crossoptilon crossoptilon	04650	Glareola pratincola	05310	Scolopax minor
03890	Crossoptilon mantchuricum	04660	Glareola maldivarum	05320	Limosa limosa
03900	Crossoptilon auritum	04670	Glareola nordmanni	05321	Limosa limosa limosa
03910	Catreus wallichii	04680	Glareola lactea	05322	Limosa limosa islandica
03920	Symyaticus soemmerringii	04689	Glareola sp.	05330	Limosa haemastica
03930	Symyaticus reevesii	04690	Charadrius dubius	05340	Limosa lapponica
03940	Phasianus colchicus	04700	Charadrius hiaticula	05341	Limosa lapponica lapponica
03950	Phasianus versicolor	04701	Charadrius hiaticula hiaticula	05350	Limosa fedoa
03960	Chrysolophus pictus	04702	Charadrius hiaticula tundrae	05360	Numenius minutus
03970	Chrysolophus amherstiae	04710	Charadrius semipalmatus	05370	Numenius borealis
03980	Numida meleagris	04720	Charadrius placidus	05380	Numenius phaeopus
03990	Meleagris gallopavo	04730	Charadrius wilsonia	05390	Numenius tahitiensis
04000	Turnix sylvatica	04740	Charadrius vociferus	05400	Numenius tenuirostris
04010	Turnix tanki	04750	Charadrius melodus	05410	Numenius arquata
04020	Turnix suscitator	04760	Charadrius pecuarius	05420	Numenius americanus
04030	Rallina eurizonoides	04770	Charadrius alexandrinus	05430	Numenius madagascariensis
04040	Rallus longirostris	04780	Charadrius mongolus	05439	Numenius sp.
04050	Rallus elegans	04781	Charadrius mongolus mongolus	05440	Bartramia longicauda
04060	Rallus limicola	04782	Charadrius mongolus pamirensis	05450	Tringa erythropus
04070	Rallus aquaticus	04783	Charadrius mongolus atrifrons	05460	Tringa totanus
04080	Porzana porzana	04784	Charadrius mongolus schaeferi	05461	Tringa totanus totanus
04090	Porzana carolina	04785	Charadrius mongolus stegmanni	05462	Tringa totanus robusta
04100	Porzana parva	04790	Charadrius leschenaultii	05470	Tringa stagnatilis
04110	Porzana pusilla	04800	Charadrius asiaticus	05480	Tringa nebularia
04120	Porzana marginalis	04810	Charadrius veredus	05490	Tringa guttifer
04130	Porzana cinerea	04820	Charadrius morinellus	05500	Tringa melanoleuca
04140	Porzana fusca	04830	Charadrius montanus	05510	Tringa flavipes
04150	Porzana paykullii	04839	Charadrius sp.	05520	Tringa solitaria
04160	Porzana bicolor	04840	Pluvialis dominica	05530	Tringa ochropus
04169	Porzana sp.	04841	Pluvialis dominica dominica	05540	Tringa glareola
04170	Coturnicops exquisita	04842	Pluvialis dominica fulva	05550	Xenus cinereus

05560	Actitis hypoleucos	06210	Sterna lunata	06940	Ectopistes migratorius
05570	Actitis macularia	06220	Sterna anaethetus	06950	Zenaida macroura
05580	Heteroscelus brevipes	06230	Sterna fuscata	06960	Zenaida aurita
05590	Heteroscelus incanus	06240	Sterna albifrons	06970	Zenaida asiatica
05600	Catoptrophorus semipalmatus	06250	Sterna saundersi	06980	Columbigallina passerina
05610	Arenaria interpres	06259	Sterna sp.	06990	Scardafella squammata
05620	Arenaria melanocephala	06260	Chlidonias hybridus	07000	Leptotila verreauxi
05630	Phalaropus tricolor	06270	Chlidonias niger	07010	Geotrygon chrysis
05640	Phalaropus lobatus	06280	Chlidonias leucopterus	07020	Geotrygon montana
05650	Phalaropus fulicaria	06289	Chlidonias sp.	07030	Treron waalia
05659	Limicolae	06290	Anous tenuirostris	07040	Treron sphenura
05660	Stercorarius pomarinus	06300	Anous stolidus	07050	Treron sieboldii
05670	Stercorarius parasiticus	06310	Gygis alba	07060	Treron formosae
05680	Stercorarius longicaudus	06320	Rynchops nigra	07070	Aratinga holochlora
05690	Stercorarius skua	06330	Rynchops flavirostris	07080	Conuropsis carolinensis
05691	Stercorarius skua skua	06340	Uria aalge	07090	Rhynchopsitta pachyrhyncha
05692	Stercorarius skua loennbergi	06350	Uria lomvia	07100	Rhynchopsitta terrisi
05693	Stercorarius skua antarcticus	06359	Uria sp.	07110	Amazona leucocephala
05700	Stercorarius maccommicki	06360	Alca torda	07120	Psittacula krameri
05709	Stercorarius sp.	06370	Pinguinus impennis	07130	Psittacula derbiana
05710	Larus hemprichii	06380	Cephus grylle	07140	Psittacula himalayana
05720	Larus leucophthalmus	06390	Cephus columba	07150	Clamator jacobinus
05730	Larus ichthyaetus	06400	Cephus carbo	07160	Clamator glandarius
05740	Larus relictus	06409	Cephus spp.	07170	Hierococcyx fugax
05750	Larus melanocephalus	06410	Brachyrampus marmoratus	07180	Hierococcyx sparverioides
05760	Larus atricilla	06411	Brachyrampus m. marmoratus	07190	Chrysococcyx maculatus
05770	Larus pipixcan	06412	Brachyrampus m. perdix	07200	Chrysococcyx caprius
05780	Larus minutus	06420	Brachyrampus brevirostris	07210	Chrysococcyx klaas
05790	Larus sabinus	06429	Brachyrampus sp.	07220	Cacomantis merulinus
05800	Larus saundersi	06430	Endomychura hypoleuca	07230	Cuculus micropterus
05810	Larus philadelphia	06440	Endomychura craveri	07240	Cuculus canorus
05820	Larus ridibundus	06450	Synthliboramphus antiquus	07250	Cuculus saturatus
05830	Larus brunnecephalus	06460	Synthliboramphus wumizusume	07260	Cuculus poliocephalus
05840	Larus cirrocephalus	06470	Alle alle	07270	Coccyzus erythrophthalmus
05850	Larus genei	06480	Ptychorampus aleuticus	07280	Coccyzus americanus
05860	Larus heermanni	06490	Aethia cristatella	07290	Coccyzus minor
05870	Larus crassirostris	06500	Aethia pygmaea	07300	Saurothera merlini
05880	Larus audouinii	06510	Aethia pusilla	07310	Crotophaga ani
05890	Larus delawarensis	06520	Cyclorhynchus psittacula	07320	Crotophaga sulcirostris
05900	Larus canus	06530	Cerorhinca monocerata	07330	Geococcyx californianus
05901	Larus canus canus	06540	Fratercula arctica	07340	Centropus senegalensis
05902	Larus canus heinei	06550	Fratercula corniculata	07350	Tyto alba
05910	Larus fuscus	06560	Lunda cirrhata	07351	Tyto alba alba
05911	Larus fuscus fuscus	06570	Pterocles lichtensteinii	07352	Tyto alba guttata
05912	Larus fuscus graellsii	06580	Pterocles coronatus	07360	Otus bakkamoena
05913	Larus fuscus intermedius	06590	Pterocles senegallus	07370	Otus sunia
05920	Larus argentatus	06600	Pterocles exustus	07380	Otus brucei
05921	Larus argentatus argentatus	06610	Pterocles orientalis	07390	Otus scops
05922	Larus argentatus heuglini	06620	Pterocles alchata	07400	Otus flammeolus
05923	Larus argentatus taimyrensis	06630	Syrhaptes paradoxus	07410	Otus asio
05924	Larus argentatus vegae	06640	Syrhaptes tibetanus	07420	Otus trichopsis
05925	Larus argentatus atlantis	06650	Columba livia	07430	Bubo virginianus
05926	Larus argentatus michahellis	06660	Columba rupestris	07440	Bubo bubo
05927	Larus argentatus cachinnans	06670	Columba leuconota	07450	Bubo africanus
05928	Larus argentatus argenteus	06680	Columba oenas	07460	Ketupa blakistoni
05930	Larus californicus	06690	Columba eversmanni	07470	Ketupa zeylonensis
05940	Larus occidentalis	06700	Columba palumbus	07480	Ketupa flavipes
05950	Larus schistisagus	06710	Columba trocaz	07490	Nyctea scandiaca
05960	Larus glaucescens	06720	Columba bollii	07500	Sumia ulula
05970	Larus thayeri	06730	Columba junoniae	07510	Glaucidium passerinum
05980	Larus glaucoides	06740	Columba hodgsonii	07520	Glaucidium gnoma
05981	Larus glaucoides glaucoides	06750	Columba pulchricollis	07530	Glaucidium brasilianum
05982	Larus glaucoides kumlieni	06760	Columba janthina	07540	Glaucidium brodiei
05990	Larus hyperboreus	06770	Columba versicolor	07550	Micrathene whitneyi
06000	Larus marinus	06780	Columba jouyi	07560	Ninox scutulata
06009	Larus sp.	06790	Columba leucocephala	07570	Athene noctua
06010	Rhodostethia rosea	06800	Columba squamosa	07580	Athene brama
06020	Rissa tridactyla	06810	Columba fasciata	07590	Athene cunicularia
06030	Rissa brevirostris	06820	Columba flavirostris	07600	Strix leptogrammica
06040	Pagophila eburnea	06829	Columba sp.	07610	Strix aluco
06050	Gelochelidon nilotica	06830	Streptopelia roseogrisea	07620	Strix butleri
06060	Sterna caspia	06840	Streptopelia decaocto	07630	Strix varia
06070	Sterna maxima	06850	Streptopelia semitorquata	07640	Strix occidentalis
06080	Sterna bergii	06860	Streptopelia tranquebarica	07650	Strix uralensis
06090	Sterna bengalensis	06870	Streptopelia turtur	07660	Strix nebulosa
06100	Sterna zimmemanni	06880	Streptopelia lugens	07669	Strix sp.
06110	Sterna sandvicensis	06890	Streptopelia orientalis	07670	Asio otus
06120	Sterna elegans	06900	Streptopelia senegalensis	07680	Asio flammeus
06130	Sterna sumatrana	06901	Streptopelia senegalensis	07690	Asio capensis
06140	Sterna dougallii	senegalensis		07700	Aegolius funereus
06150	Sterna hirundo	06902	Streptopelia senegalensis	07710	Aegolius acadicus
06160	Sterna paradisaea	phoenicophila		07719	Strigidae
06170	Sterna aleutica	06910	Streptopelia chinensis	07720	Caprimulgus inornatus
06180	Sterna forsteri	06919	Streptopelia sp.	07730	Caprimulgus nubicus
06190	Sterna trudeaui	06920	Oena capensis	07740	Caprimulgus centralasicus
06200	Sterna repressa	06930	Chalcophaps indica	07750	Caprimulgus maharattensis

07760	Caprimulgus asiaticus	08481	Jynx torquilla torquilla	09250	Xenotriccus mexicanus
07770	Caprimulgus indicus	08482	Jynx torquilla tschusii	09260	Mitrephanes phaeocercus
07780	Caprimulgus europaeus	08483	Jynx torquilla sarudnyi	09270	Contopus caribaeus
07790	Caprimulgus ruficollis	08484	Jynx torquilla chinensis	09280	Contopus pertinax
07800	Caprimulgus eximius	08485	Jynx torquilla himalayana	09290	Contopus sordidulus
07810	Caprimulgus aegyptius	08486	Jynx torquilla mauretanicus	09300	Contopus virens
07820	Caprimulgus carolinensis	08490	Picumnus inornatus	09310	Contopus borealis
07830	Caprimulgus vociferus	08500	Colaptes auratus	09320	Myiarchus tuberculifer
07839	Caprimulgus spp.	08510	Colaptes cafer	09330	Myiarchus nuttingi
07840	Phalaenoptilus nuttallii	08520	Colaptes chrysoides	09340	Myiarchus cinerascens
07850	Nyctidromus albigollis	08530	Picus chlorolophus	09350	Myiarchus cinerascens
07860	Chordeiles minor	08540	Picus flavinucha	09360	Myiarchus tyrannulus
07870	Chordeiles acutipennis	08550	Picus canus	09370	Myiarchus crinitus
07880	Cypseloides niger	08560	Picus viridis	09380	Myiodynastes luteiventris
07890	Collocalia brevirostris	08561	Picus viridis viridis	09390	Myiozetetes similis
07900	Chaetura pelagica	08562	Picus viridis sharpei	09400	Pitangus sulphuratus
07910	Chaetura vauxi	08570	Picus vaillantii	09410	Tyrannus vociferans
07920	Hirundapus caudacutus	08580	Picus awokera	09420	Tyrannus verticalis
07930	Apus alexandri	08590	Picus squamatus	09430	Tyrannus caudirostris
07940	Apus nicator	08600	Sapheopipo noguchii	09440	Tyrannus couchii
07950	Apus apus	08610	Dinopium benghalense	09450	Tyrannus dominicensis
07960	Apus pallidus	08620	Dryocopus pileatus	09460	Tyrannus cubensis
07970	Apus pacificus	08630	Dryocopus martius	09470	Tyrannus caudifasciatus
07980	Apus melba	08640	Dryocopus javensis	09480	Tyrannus tyrannus
07990	Apus caffer	08650	Centurus carolinus	09490	Muscivora tyrannus
08000	Apus affinis	08660	Centurus aurifrons	09500	Muscivora forficata
08009	Apus spp.	08670	Centurus uropygialis	09510	Pitta brachyura
08010	Aeronautes saxatilis	08680	Centurus superciliosus	09520	Mirafra cantillans
08020	Cypsiurus parvus	08690	Melanerpes erythrocephalus	09530	Eremopterix nigriceps
08030	Chlorostilbon ricordii	08700	Melanerpes formicivorus	09540	Eremalauda dunni
08040	Cynanthus latirostris	08710	Asyndesmus lewis	09550	Ammomanes cincturus
08050	Hylocharis xantusii	08720	Sphyrapicus varius	09560	Ammomanes phoeniceus
08060	Hylocharis leucotis	08730	Sphyrapicus nuchalis	09570	Ammomanes deserti
08070	Amazilia beryllina	08740	Sphyrapicus ruber	09580	Alaemon alaudipes
08080	Amazilia yucatanensis	08750	Sphyrapicus thyroideus	09590	Chersophilus dupontii
08090	Amazilia tzacatl	08760	Dendrocopos major	09600	Ramphocoris clotbey
08100	Amazilia violiceps	08761	Dendrocopos major major	09610	Melanocorypha calandra
08110	Lampornis clemenciae	08770	Dendrocopos leucopterus	09620	Melanocorypha bimaculata
08120	Eugenes fulgens	08780	Dendrocopos syriacus	09621	Melanocorypha bimaculata
08130	Calliphlox evelynae	08790	Dendrocopos assimilis	09622	Melanocorypha bimaculata
08140	Calothorax lucifer	08800	Dendrocopos himalayensis	09623	Melanocorypha bimaculata
08150	Archilochus colubris	08810	Dendrocopos darjellensis	09624	Melanocorypha bimaculata
08160	Archilochus alexandri	08820	Dendrocopos cathpharius	09625	Melanocorypha bimaculata
08170	Archilochus costae	08830	Dendrocopos medius	09626	Melanocorypha bimaculata
08180	Archilochus anna	08840	Dendrocopos leucotos	09627	Melanocorypha bimaculata
08190	Stellula calliope	08850	Dendrocopos hyperythrus	09628	Melanocorypha bimaculata
08200	Atthis heloisa	08860	Dendrocopos auriceps	09629	Melanocorypha bimaculata
08210	Selasphorus platycercus	08870	Dendrocopos minor	09630	Melanocorypha bimaculata
08220	Selasphorus rufus	08880	Dendrocopos canicapillus	09631	Melanocorypha bimaculata
08230	Selasphorus sasin	08890	Dendrocopos kizuki	09632	Melanocorypha bimaculata
08240	Trogon mexicanus	08900	Dendrocopos dorae	09633	Melanocorypha bimaculata
08250	Trogon elegans	08910	Dendrocopos scalaris	09634	Melanocorypha bimaculata
08260	Halcyon coromanda	08920	Dendrocopos nuttallii	09635	Melanocorypha bimaculata
08270	Halcyon smyrnenis	08930	Dendrocopos pubescens	09636	Melanocorypha bimaculata
08280	Halcyon pileata	08940	Dendrocopos borealis	09637	Melanocorypha bimaculata
08290	Halcyon leucocephala	08950	Dendrocopos arizonae	09638	Melanocorypha bimaculata
08300	Halcyon miyakoensis	08960	Dendrocopos villosus	09639	Melanocorypha bimaculata
08310	Alcedo atthis	08970	Dendrocopos albolavatus	09640	Melanocorypha bimaculata
08320	Chloroceryle americana	08979	Dendrocopos sp.	09641	Melanocorypha bimaculata
08330	Ceryle rudis	08980	Dendrocopos tridactylus	09642	Melanocorypha bimaculata
08340	Ceryle alcyon	08990	Dendrocopos arcticus	09643	Melanocorypha bimaculata
08350	Ceryle torquata	09000	Campephilus principalis	09644	Melanocorypha bimaculata
08360	Ceryle lugubris	09010	Campephilus imperialis	09645	Melanocorypha bimaculata
08370	Merops albicollis	09020	Xiphorhynchus flavigaster	09646	Melanocorypha bimaculata
08380	Merops orientalis	09030	Lepidocolaptes leucogaster	09647	Melanocorypha bimaculata
08390	Merops superciliosus	09040	Pachyrhamphus aglaiae	09648	Melanocorypha bimaculata
08391	Merops superciliosus superciliosus	09050	Tityra semifasciata	09649	Melanocorypha bimaculata
08392	Merops superciliosus chrysocercus	09060	Myiopagis viridicata	09650	Melanocorypha bimaculata
08393	Merops superciliosus persicus	09070	Elaenia martinica	09651	Melanocorypha bimaculata
08400	Merops apiaster	09080	Campptostoma imberbe	09652	Melanocorypha bimaculata
08410	Coracias garrulus	09090	Sayornis phoebe	09653	Melanocorypha bimaculata
08420	Coracias abyssinicus	09100	Sayornis nigricans	09654	Melanocorypha bimaculata
08430	Coracias benghalensis	09110	Sayornis saya	09655	Melanocorypha bimaculata
08440	Eurystomus glaucurus	09120	Pyrocephalus rubinus	09656	Melanocorypha bimaculata
08450	Eurystomus orientalis	09130	Empidonax flaviventris	09657	Melanocorypha bimaculata
08460	Upupa epops	09140	Empidonax virens	09658	Melanocorypha bimaculata
08461	Upupa epops epops	09150	Empidonax minimus	09659	Melanocorypha bimaculata
08462	Upupa epops ceylonensis	09160	Empidonax hammondii	09660	Melanocorypha bimaculata
08463	Upupa epops longirostris	09170	Empidonax oberholseri	09661	Melanocorypha bimaculata
08464	Upupa epops major	09180	Empidonax wrightii	09662	Melanocorypha bimaculata
08465	Upupa epops senegalensis	09190	Empidonax affinis	09663	Melanocorypha bimaculata
08466	Upupa epops waibeli	09200	Empidonax difficilis	09664	Melanocorypha bimaculata
08467	Upupa epops africana	09210	Empidonax albigularis	09665	Melanocorypha bimaculata
08468	Upupa epops marginata	09220	Empidonax traillii	09666	Melanocorypha bimaculata
08470	Tockus nasutus	09230	Empidonax alnorum	09667	Melanocorypha bimaculata
08480	Jynx torquilla	09240	Empidonax fulvifrons	09668	Melanocorypha bimaculata
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				09670	Melanocorypha bimaculata
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				09763	Melanocorypha bimaculata
				09764	Melanocorypha bimaculata
				09765	Melanocorypha bimaculata
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				09810	Melanocorypha bimaculata
				09811	Melanocorypha bimaculata
				09812	Melanocorypha bimaculata
				09813	Melanocorypha bimaculata

10010	Delichon urbica	10620	Thryothorus maculipectus	11260	Phoenicurus aureus
10019	Hirundinidae	10630	Thryothorus ludovicianus	11270	Phoenicurus moussieri
10020	Anthus richardi	10640	Thryothorus sinaloa	11280	Phoenicurus erythrogaster
10030	Anthus sylvanus	10650	Troglodytes aedon	11289	Phoenicurus sp.
10040	Anthus godlewskii	10660	Troglodytes troglodytes	11290	Rhyacornis fuliginosus
10050	Anthus campestris	10670	Mimus polyglottos	11300	Hodgsonius phoenicuroides
10060	Anthus berthelotii	10680	Mimus gundlachi	11310	Grandala coelicolor
10070	Anthus similis	10690	Toxostoma rufum	11320	Sialia currucoides
10080	Anthus hodgsoni	10700	Toxostoma longirostre	11330	Sialia mexicana
10090	Anthus trivialis	10710	Toxostoma bendirei	11340	Sialia sialis
10100	Anthus gustavi	10720	Toxostoma cinereum	11350	Cercomela melanura
10110	Anthus pratensis	10730	Toxostoma ocellatum	11360	Saxicola macrorhyncha
10120	Anthus cervinus	10740	Toxostoma curvirostre	11370	Saxicola rubetra
10130	Anthus roseatus	10750	Toxostoma lecontei	11380	Saxicola dacotiae
10140	Anthus spinoletta	10760	Toxostoma dorsale	11390	Saxicola torquata
10141	Anthus spinoletta spinoletta	10770	Toxostoma redivivum	11391	Saxicola torquata torquata
10142	Anthus spinoletta petrosus	10780	Oreoscoptes montanus	11392	Saxicola torquata stejnegeri
10143	Anthus spinoletta littoralis	10790	Margarops fuscatus	11393	Saxicola torquata rubicola
10144	Anthus spinoletta rubescens	10800	Dumetella carolinensis	11394	Saxicola torquata maura
10150	Anthus spragueii	10810	Melanotis caerulescens	11395	Saxicola torquata hibernans
10159	Anthus spp.	10820	Prunella immaculata	11400	Saxicola insignis
10160	Dendronanthus indicus	10830	Prunella rubida	11410	Saxicola caprata
10170	Motacilla flava	10840	Prunella modularis	11420	Saxicola ferrea
10171	Motacilla flava flava	10850	Prunella strophiata	11429	Saxicola sp.
10172	Motacilla flava flavissima	10860	Prunella montanella	11430	Myrmecocichla aethiops
10173	Motacilla flava thunbergi	10870	Prunella fulvescens	11440	Oenanthe isabellina
10174	Motacilla flava feldegg	10880	Prunella ocularis	11450	Oenanthe bottae
10175	Motacilla flava cinereocapilla	10890	Prunella fagani	11460	Oenanthe oenanthe
10176	Motacilla flava iberiae	10900	Prunella atrogularis	11461	Oenanthe oenanthe oenanthe
10177	Motacilla flava lutea	10910	Prunella koslowi	11462	Oenanthe oenanthe leucorhoa
10178	Motacilla flava beema	10920	Prunella rubeculoides	11463	Oenanthe oenanthe seebohmi
10180	Motacilla citreola	10930	Prunella himalayana	11470	Oenanthe pleschanka
10190	Motacilla cinerea	10940	Prunella collaris	11480	Oenanthe hispanica
10191	Motacilla cinerea cinerea	10949	Prunella sp.	11481	Oenanthe hispanica hispanica
10192	Motacilla cinerea canariensis	10950	Cercotrichas galactotes	11482	Oenanthe hispanica melanoleuca
10200	Motacilla alba	10951	Cercotrichas galactotes galactotes	11490	Oenanthe deserti
10201	Motacilla alba alba	10952	Cercotrichas galactotes familiaris	11500	Oenanthe finschii
10202	Motacilla alba yarrellii	10953	Cercotrichas galactotes syriacus	11510	Oenanthe moesta
10203	Motacilla alba personata	10960	Cercotrichas podobe	11520	Oenanthe xanthopyrma
10204	Motacilla alba dukhunensis	10970	Brachypteryx stellata	11530	Oenanthe picata
10210	Motacilla grandis	10980	Brachypteryx montana	11540	Oenanthe lugens
10220	Motacilla maderaspatensis	10990	Erithacus rubecula	11550	Oenanthe monacha
10230	Motacilla aguimp	10991	Erithacus rubecula rubecula	11560	Oenanthe alboniger
10239	Motacilla sp.	10992	Erithacus rubecula superbus	11570	Oenanthe leucopyga
10240	Tephrodornis pondicerianus	11000	Erithacus akahige	11580	Oenanthe leucura
10250	Coracina melaschistos	11010	Erithacus komadori	11589	Oenanthe sp.
10260	Pericrocotus ethologus	11020	Luscinia sibilans	11590	Chaimarrornis leucocephalus
10270	Pericrocotus cinnamomeus	11030	Luscinia luscinia	11600	Saxicoloides fucicata
10280	Pericrocotus roseus	11040	Luscinia megarhynchos	11610	Monticola rufocinerea
10290	Pericrocotus divaricatus	11041	Luscinia megarhynchos	11620	Monticola saxatilis
10300	Pericrocotus tegimae		megarhynchos	11630	Monticola cinclorhyncha
10310	Spizixos canifrons	11042	Luscinia megarhynchos hafizi	11640	Monticola gularis
10320	Spizixos semitorques	11043	Luscinia megarhynchos africana	11650	Monticola rufiventris
10330	Pycnonotus xanthorrhous	11050	Luscinia calliope	11660	Monticola solitarius
10340	Pycnonotus sinensis	11060	Luscinia svecica	11670	Myiophonus caerulescens
10350	Pycnonotus leucogenys	11061	Luscinia svecica svecica	11680	Zoothera mollissima
10360	Pycnonotus xanthopygus	11062	Luscinia svecica cyanecula	11690	Zoothera dixonii
10370	Pycnonotus barbatus	11063	Luscinia svecica namnetum	11700	Zoothera dauma
10380	Hypsipetes mclellandii	11064	Luscinia svecica magna	11710	Zoothera sibirica
10390	Hypsipetes amaurotis	11070	Luscinia pectoralis	11720	Zoothera naevia
10400	Hypsipetes madagascariensis	11080	Luscinia ruficeps	11730	Zoothera pinicola
10410	Chloropsis hardwickii	11090	Luscinia obscura	11740	Cichlopasser terrestris
10420	Myadestes townsendi	11100	Luscinia pectardens	11750	Hylocichla mustelina
10430	Myadestes obscurus	11110	Luscinia brunnea	11760	Catharus guttatus
10440	Phainopepla nitens	11120	Luscinia cyane	11770	Catharus ustulatus
10450	Ptilononyx cinereus	11129	Luscinia sp.	11780	Catharus minimus
10460	Bombycilla cedrorum	11130	Tarsiger cyanurus	11781	Catharus minimus minimus
10470	Bombycilla japonica	11140	Tarsiger chrysaeus	11782	Catharus minimus bicknelli
10480	Bombycilla garrulus	11150	Tarsiger indicus	11790	Catharus fuscescens
10490	Hypocolius ampelinus	11160	Tarsiger hyperythrus	11800	Catharus aurantirostris
10500	Cinclus cinclus	11170	Irania gutturalis	11810	Catharus occidentalis
10501	Cinclus cinclus cinclus	11180	Phoenicurus erythronotus	11820	Turdus menachensis
10502	Cinclus cinclus caucasicus	11190	Phoenicurus alaschanicus	11830	Turdus unicolor
10503	Cinclus cinclus aquaticus	11200	Phoenicurus caeruleocephalus	11840	Turdus cardis
10504	Cinclus cinclus gularis	11210	Phoenicurus ochruros	11850	Turdus albocinctus
10510	Cinclus pallasi	11211	Phoenicurus ochruros ochruros	11860	Turdus torquatus
10520	Cinclus mexicanus	11212	Phoenicurus ochruros gibraltarensis	11861	Turdus torquatus torquatus
10530	Campylorhynchus jocosus	11213	Phoenicurus ochruros aterrimus	11862	Turdus torquatus alpestris
10540	Campylorhynchus gularis	11220	Phoenicurus phoenicurus	11870	Turdus merula
10550	Campylorhynchus brunneicapillus	11221	Phoenicurus phoenicurus	11871	Turdus merula merula
10560	Salpinctes obsoletus		phoenicurus	11872	Turdus merula cabrerae
10570	Salpinctes mexicanus	11222	Phoenicurus phoenicurus	11880	Turdus rubrocanus
10580	Cistothorus platensis		samamisisicus	11890	Turdus kessleri
10590	Cistothorus palustris	11230	Phoenicurus hodgsoni	11900	Turdus chrysolaus
10600	Thryomanes bewickii	11240	Phoenicurus frontalis	11910	Turdus celaenops
10610	Thryothorus felix	11250	Phoenicurus schisticeps	11920	Turdus feae

11930	Turdus hortulorum	12554	Hippolais pallida reiseri	13110	Phylloscopus collybita
11940	Turdus pallidus	12555	Hippolais pallida laeneni	13111	Phylloscopus collybita collybita
11950	Turdus obscurus	12560	Hippolais caligata	13112	Phylloscopus collybita fulvescens
11960	Turdus naumanni	12561	Hippolais caligata caligata	13113	Phylloscopus collybita tristis
11961	Turdus naumanni naumanni	12562	Hippolais caligata rama (S.W.)	13114	Phylloscopus collybita abietinus
11962	Turdus naumanni eunomus	12570	Hippolais languida	13115	Phylloscopus collybita ibericus
11970	Turdus ruficollis	12580	Hippolais olivetorum	13116	Phylloscopus collybita collybita
11971	Turdus ruficollis ruficollis	12590	Hippolais icterina		brehmiiDELETED
11972	Turdus ruficollis atrogularis	12600	Hippolais polyglotta	13117	Phylloscopus collybita canariensis
11980	Turdus pilaris	12609	Hippolais sp.	13120	Phylloscopus trochilus
11990	Turdus mupinensis	12610	Sylvia sarda	13121	Phylloscopus trochilus trochilus
12000	Turdus philomelos	12611	Sylvia sarda sarda	13122	Phylloscopus trochilus acredula
12001	Turdus philomelos philomelos	12612	Sylvia sarda balearica	13123	Phylloscopus trochilus yakutensis
12002	Turdus philomelos clarkei	12620	Sylvia undata	13129	Phylloscopus sp.
12010	Turdus iliacus	12630	Sylvia deserticola	13130	Regulus calendula
12011	Turdus iliacus iliacus	12640	Sylvia conspiciata	13140	Regulus regulus
12012	Turdus iliacus coburni	12650	Sylvia cantillans	13141	Regulus regulus regulus
12020	Turdus viscivorus	12651	Sylvia cantillans cantillans	13142	Regulus regulus teneriffae
12030	Turdus migratorius	12652	Sylvia cantillans moltoni	13150	Regulus ignicapillus
12040	Turdus rufopalliatu	12653	Sylvia cantillans albirata	13151	Regulus ignicapillus ignicapillus
12050	Turdus grayi	12660	Sylvia mystacea	13152	Regulus ignicapillus ignicapillus
12060	Turdus albicollis	12670	Sylvia melanocephala		teneriffaeDELETED
12069	Turdus sp.	12671	Sylvia melanocephala melanocephala	13153	Regulus ignicapillus balearicus
12070	Mimocichla plumbea		melanocephala	13160	Regulus satrapa
12080	Enicurus scouleri	12672	Sylvia melanocephala leucogastra	13169	Regulus sp.
12090	Enicurus schistaceus	12680	Sylvia melanothorax	13170	Leptopoeile sophiae
12100	Enicurus leschenaulti	12681	Sylvia melanothorax melanothorax	13180	Leptopoeile elegans
12110	Enicurus maculatus	12682	Sylvia melanothorax cypria	13190	Poliophtila melanura
12120	Tesia castaneocoronata	12690	Sylvia rueppelli	13200	Poliophtila nigriceps
12130	Cettia squameiceps	12700	Sylvia nana	13210	Poliophtila caerulea
12140	Cettia diphone	12710	Sylvia leucomelaena	13220	Niltava grandis
12150	Cettia fortipes	12720	Sylvia hortensis	13230	Niltava sundara
12160	Cettia major	12721	Sylvia hortensis hortensis	13240	Niltava davidi
12170	Cettia flavolivacea	12722	Sylvia hortensis crassirostris	13250	Cyornis vivida
12180	Cettia acanthoides	12723	Sylvia hortensis balchanica	13260	Cyornis rubeculoides
12190	Cettia brunnifrons	12724	Sylvia hortensis jerdoni	13270	Muscicapa cyanomelana
12200	Cettia cetti	12730	Sylvia nisoria	13280	Muscicapa thalassina
12210	Bradypterus thoracicus	12740	Sylvia curruca	13290	Muscicapa rufilata
12220	Bradypterus major	12741	Sylvia curruca curruca	13300	Muscicapa sibirica
12230	Bradypterus taczanowskii	12742	Sylvia curruca blythi	13310	Muscicapa griseisticta
12240	Bradypterus luteoventris	12743	Sylvia curruca halimodendri	13320	Muscicapa ruficauda
12250	Parisoma buryi	12744	Sylvia curruca minula	13330	Muscicapa muttui
12260	Cisticola juncidis	12750	Sylvia communis	13340	Muscicapa latirostris
12270	Prinia gracilis	12760	Sylvia borin	13350	Muscicapa striata
12280	Prinia inornata	12770	Sylvia atricapilla	13351	Muscicapa striata striata
12290	Prinia criniger	12771	Sylvia atricapilla atricapilla	13352	Muscicapa striata balearica
12300	Prinia atrogularis	12772	Sylvia atricapilla heineken	13353	Muscicapa striata tyrrhenica
12310	Scotocerca inquieta	12779	Sylvia sp.	13360	Muscicapa gambagae
12320	Rhopophilus pekinensis	12780	Seicercus burkii	13369	Muscicapa sp.
12330	Locustella certhiola	12790	Abruscoptes albogularis	13370	Ficedula sapphira
12340	Locustella ochotensis	12800	Abruscoptes schisticeps	13380	Ficedula tricolor
12350	Locustella lanceolata	12810	Phylloscopus umbrovirens	13390	Ficedula superciliaris
12360	Locustella naevia	12820	Phylloscopus ricketti	13400	Ficedula hodgsonii
12370	Locustella fluviatilis	12830	Phylloscopus cantator	13410	Ficedula hyperythra
12380	Locustella luscinioides	12840	Phylloscopus davisoni	13420	Ficedula strophata
12390	Locustella fasciolata	12850	Phylloscopus reguloides	13430	Ficedula parva
12399	Locustella sp.	12860	Phylloscopus coronatus	13431	Ficedula parva parva
12400	Megalurus pryeri	12870	Phylloscopus occipitalis	13432	Ficedula parva albicilla
12410	Acrocephalus melanopogon	12880	Phylloscopus tenellipes	13440	Ficedula mugimaki
12411	Acrocephalus melanopogon melanopogon	12890	Phylloscopus ijimae	13450	Ficedula zanthopygia
12420	Acrocephalus paludicola	12900	Phylloscopus tytleri	13460	Ficedula narcissina
12430	Acrocephalus schoenobaenus	12910	Phylloscopus nitidus	13470	Ficedula semitorquata
12440	Acrocephalus sorgophilus	12920	Phylloscopus plumbeitarsus	13480	Ficedula albicollis
12450	Acrocephalus bistrigiceps	12930	Phylloscopus trochiloides	13481	Ficedula albicollis albicollis
12460	Acrocephalus concinens	12940	Phylloscopus magnirostris	13482	Ficedula albicollis semitorquata
12470	Acrocephalus agricola	12950	Phylloscopus borealis	13490	Ficedula hypoleuca
12480	Acrocephalus dumetorum	12960	Phylloscopus pulcher	13491	Ficedula hypoleuca hypoleuca
12490	Acrocephalus brevipennis	12970	Phylloscopus maculipennis	13492	Ficedula hypoleuca ibericus
12500	Acrocephalus palustris	12980	Phylloscopus proregulus	13500	Culicicapa ceylonensis
12510	Acrocephalus scirpaceus	12981	Phylloscopus proregulus proregulus	13510	Rhipidura hypoxantha
12511	Acrocephalus scirpaceus scirpaceus	12990	Phylloscopus subviridis	13520	Rhipidura albicollis
12512	Acrocephalus scirpaceus fuscus	13000	Phylloscopus inornatus	13530	Terpsiphone viridis
12520	Acrocephalus stentoreus	13001	Phylloscopus inornatus inornatus	13540	Terpsiphone paradisi
12530	Acrocephalus arundinaceus	13002	Phylloscopus inornatus humei	13550	Terpsiphone atrocaudata
12531	Acrocephalus arundinaceus arundinaceus	13010	Phylloscopus schwarzi	13560	Pomatorhinus erythrogenys
12532	Acrocephalus arundinaceus arundinaceus	13020	Phylloscopus armandii	13570	Pomatorhinus ruficollis
12540	Acrocephalus aedon	13030	Phylloscopus fuscatus	13580	Pnoepyga albigaster
12549	Acrocephalus sp.	13040	Phylloscopus fulgivent	13590	Pnoepyga pusilla
12550	Hippolais pallida (E.O.W.)	13050	Phylloscopus griseolus	13600	Spelaeornis troglodytoides
12551	Hippolais pallida pallida	13060	Phylloscopus affinis	13610	Stachyris ruficeps
12552	Hippolais pallida opacus (W.O.W.)	13070	Phylloscopus bonelli	13620	Moupinia poecilotis
12553	Hippolais pallida elaeica	13071	Phylloscopus bonelli bonelli	13630	Chamaea fasciata
		13072	Phylloscopus bonelli orientalis	13640	Panurus biarmicus
		13080	Phylloscopus sibilatrix	13650	Conostoma oemodium
		13090	Phylloscopus neglectus	13660	Paradoxornis paradoxus
		13100	Phylloscopus sindianus	13670	Paradoxornis unicolor

13680	Paradoxornis flavirostris	14430	Parus atricapillus	15070	Oriolus chinensis
13690	Paradoxornis conspicillatus	14440	Parus carolinensis	15080	Oriolus oriolus
13700	Paradoxornis webbianus	14450	Parus sclateri	15090	Tchagra senegala
13701	Paradoxornis w. webbianus	14460	Parus gambeli	15100	Rhodophoneus cruentus
13702	Paradoxornis w. suffusa	14470	Parus wollweberi	15110	Lanius tigrinus
13703	Paradoxornis w. fulvicauda	14480	Parus cinctus	15120	Lanius bucephalus
13704	Paradoxornis w. mantschurica	14490	Parus hudsonicus	15130	Lanius cristatus
13705	Paradoxornis w. alphonsiana	14500	Parus rufescens	15140	Lanius isabellinus
13710	Paradoxornis zappeyi	14510	Parus bicolor	15150	Lanius collurio
13720	Paradoxornis przewalskii	14520	Parus inornatus	15151	Lanius collurio collurio
13730	Paradoxornis fulvifrons	14530	Parus dichrous	15152	Lanius collurio phoenicuroides
13740	Paradoxornis nipalensis	14540	Parus cristatus	15153	Lanius collurio isabellinus (= 15140
13750	Paradoxornis verreauxi	14550	Parus davidi	Lanius isabellinus)	
13760	Paradoxornis heudei	14560	Parus venustus	15160	Lanius vittatus
13770	Turdoides altirostris	14570	Parus varius	15170	Lanius schach
13780	Turdoides caudatus	14580	Parus rufonuchalis	15180	Lanius tephronotus
13790	Turdoides squamiceps	14590	Parus rubidiventris	15190	Lanius minor
13800	Turdoides fulvus	14600	Parus melanolophus	15200	Lanius excubitor
13810	Babax lanceolatus	14610	Parus ater	15201	Lanius excubitor excubitor
13820	Babax waddelli	14611	Parus ater ater	15202	Lanius excubitor elegans
13830	Babax koslowi	14620	Parus caeruleus	15203	Lanius excubitor meridionalis
13840	Garrulax perspicillatus	14621	Parus caeruleus caeruleus	15210	Lanius sphenocercus
13850	Garrulax albogularis	14622	Parus caeruleus ultramarinus	15220	Lanius ludovicianus
13860	Garrulax pectoralis	14623	Parus caeruleus pleskii	15230	Lanius senator
13870	Garrulax striatus	14624	Parus caeruleus palmensis	15231	Lanius senator senator
13880	Garrulax maesi	14625	Parus caeruleus teneriffae	15232	Lanius senator badius
13890	Garrulax variegatus	14626	Parus caeruleus ombriosus	15233	Lanius senator niloticus
13900	Garrulax davidi	14627	Parus caeruleus degener	15240	Lanius nubicus
13910	Garrulax sukatschewi	14630	Parus cyanus	15249	Lanius sp.
13920	Garrulax cineraceus	14640	Parus major	15250	Dicrurus macrocercus
13930	Garrulax lunulatus	14641	Parus major major	15260	Dicrurus leucophaeus
13940	Garrulax maximus	14642	Parus major excelsus	15270	Dicrurus hottentottus
13950	Garrulax ocellatus	14650	Parus bokharensis	15280	Cyanocorax dickeyi
13960	Garrulax caeruleus	14660	Parus monticolus	15290	Cyanocorax yncas
13970	Garrulax canorus	14669	Parus sp.	15300	Cyanocorax formosa
13980	Garrulax sannio	14670	Sitta yunnanensis	15310	Cyanocorax morio
13990	Garrulax lineatus	14680	Sitta villosa	15320	Cyanocorax sanblasiana
14000	Garrulax subunicolor	14690	Sitta krueperi	15330	Cyanocorax beecheii
14010	Garrulax elliotii	14700	Sitta whiteheadi	15340	Cyanocitta stelleri
14020	Garrulax henrici	14710	Sitta ledanti	15350	Cyanocitta cristata
14030	Garrulax affinis	14720	Sitta canadensis	15360	Aphelocoma ultramarina
14040	Garrulax erythrocephalus	14730	Sitta pygmaea	15370	Aphelocoma coerulescens
14050	Garrulax formosus	14740	Sitta pusilla	15380	Gymnorhinus cyanocephalus
14060	Licocichla steerii	14750	Sitta leucopsis	15390	Garrulus glandarius
14070	Leiothrix lutea	14760	Sitta carolinensis	15400	Garrulus lanceolatus
14080	Myzornis pyrhoura	14770	Sitta himalayensis	15410	Garrulus lidthi
14090	Cutia nipalensis	14780	Sitta castanea	15420	Perisoreus canadensis
14100	Pteruthius flaviscapris	14790	Sitta europaea	15430	Perisoreus infaustus
14110	Pteruthius xanthochloris	14791	Sitta europaea europaea	15440	Perisoreus internigrans
14120	Actinodura nipalensis	14792	Sitta europaea asiatica	15450	Urocissa flavirostris
14130	Minla cyanouroptera	14793	Sitta europaea caesia	15460	Urocissa erythrorhyncha
14140	Minla strigula	14800	Sitta tephronota	15470	Cyanopica cyana
14150	Minla ignotincta	14810	Sitta neumayer	15480	Dendrocitta formosae
14160	Alcippe chrysotis	14820	Tichodroma muraria	15490	Pica pica
14170	Alcippe cinerea	14830	Certhia discolor	15491	Pica pica pica
14180	Alcippe castaneiceps	14840	Certhia himalayana	15492	Pica pica melanotus
14190	Alcippe vinipectus	14850	Certhia nipalensis	15493	Pica pica mauritanica
14200	Alcippe striaticollis	14860	Certhia familiaris	15500	Pica nuttalli
14210	Alcippe ruficapilla	14861	Certhia familiaris familiaris	15510	Podoces hendersoni
14220	Alcippe cinereiceps	14862	Certhia familiaris britannica	15520	Podoces biddulphi
14230	Alcippe brunnea	14863	Certhia familiaris corsa	15530	Podoces panderi
14240	Alcippe morrisonia	14864	Certhia familiaris macrodactyla	15540	Podoces pleskei
14250	Heterophasia capistrata	14870	Certhia brachydactyla	15550	Pseudopodoces humilis
14260	Heterophasia pulchella	14880	Cephalopyrus flammeiceps	15560	Nucifraga columbiana
14270	Yuhina gularis	14890	Auriparus flaviceps	15570	Nucifraga caryocatactes
14280	Yuhina diademata	14900	Remiz pendulinus	15571	Nucifraga caryocatactes
14290	Yuhina occipitalis	14901	Remiz pendulinus pendulinus	caryocatactes	
14300	Yuhina nigrimenta	14902	Remiz pendulinus coronatus	15572	Nucifraga caryocatactes
14310	Psaltriparus minimus	14903	Remiz pendulinus macronyx	macrorhynchus	
14320	Aegithalos fuliginosus	14910	Anthreptes platurus	15580	Pyrrhonorax graculus
14330	Aegithalos iouschistos	14920	Anthreptes metallicus	15590	Pyrrhonorax pyrrhonorax
14340	Aegithalos niveogularis	14930	Nectarinia asiatica	15600	Corvus monedula
14350	Aegithalos leucogenys	14940	Nectarinia habessinica	15601	Corvus monedula monedula
14360	Aegithalos concinnus	14950	Nectarinia osea	15602	Corvus monedula soemmerringii
14370	Aegithalos caudatus	14960	Aethopyga gouldiae	15603	Corvus monedula spermologus
14371	Aegithalos caudatus caudatus	14970	Aethopyga nipalensis	15610	Corvus dauuricus
14372	Aegithalos caudatus sibiricus	14980	Aethopyga ignicauda	15620	Corvus splendens
14373	Aegithalos caudatus japonicus	14990	Dicaeum melanoxanthum	15630	Corvus frugilegus
14374	Aegithalos caudatus europaeus	15000	Dicaeum ignipectus	15640	Corvus brachyrhynchus
14375	Aegithalos caudatus rosaceus	15010	Zosterops palpebrosa	15650	Corvus imparatus
14380	Sylviparus modestus	15020	Zosterops erythropleura	15660	Corvus ossifragus
14390	Parus superciliosus	15030	Zosterops japonica	15670	Corvus corone
14400	Parus palustris	15040	Zosterops abyssinica	15671	Corvus corone corone
14410	Parus lugubris	15049	Zosterops sp.	15673	Corvus corone comix
14420	Parus montanus	15050	Apalopteron familiare	15680	Corvus macrorhynchus
14422	Parus montanus songarus	15060	Oriolus trailii	15690	Corvus torquatus

15700	Corvus albus	16380	Fringilla montifringilla	17080	Pyrrhula erythrocephala
15710	Corvus ruficollis	16389	Fringilla sp.	17090	Pyrrhula erythaca
15720	Corvus corax	16390	Serinus pusillus	17100	Pyrrhula pyrrhula
15721	Corvus corax corax	16400	Serinus serinus	17101	Pyrrhula pyrrhula pyrrhula
15722	Corvus corax tingitanus	16410	Serinus syriacus	17102	Pyrrhula pyrrhula europaeus
15730	Corvus cryptoleucus	16420	Serinus canaria	17103	Pyrrhula pyrrhula pileata
15740	Corvus rhipidurus	16430	Serinus tibetanus	17104	Pyrrhula pyrrhula cineracea
15749	Corvus sp.	16440	Serinus citrinella	17105	Pyrrhula pyrrhula murina
15750	Onychognathus tristramii	16441	Serinus citrinella citrinella	17110	Mycerobas icteroides
15760	Cinnyricinclus leucogaster	16442	Serinus citrinella corsicana	17120	Mycerobas affinis
15770	Stumus pagodarum	16450	Serinus rothschildi	17130	Mycerobas melanozanthos
15780	Stumus sericeus	16460	Serinus menachensis	17140	Mycerobas carnipes
15790	Stumus sturninus	16470	Rhynchostruthus socotranus	17150	Eophona migratoria
15800	Stumus philippensis	16480	Callacanthus burtoni	17160	Eophona personata
15810	Stumus sinensis	16490	Carduelis chloris	17170	Coccothraustes coccothraustes
15820	Stumus vulgaris	16500	Carduelis sinica	17180	Hesperiphona vespertina
15830	Stumus unicolor	16510	Carduelis ambigua	17190	Hesperiphona abeillei
15840	Stumus roseus	16520	Carduelis spinoides	17200	Mniotilta varia
15850	Stumus cineraceus	16530	Carduelis carduelis	17210	Vermivora bachmanii
15859	Stumus sp.	16531	Carduelis carduelis carduelis	17220	Vermivora chrysoptera
15860	Creatophora cineracea	16532	Carduelis carduelis caniceps	17230	Vermivora pinus
15870	Acridotheres tristis	16540	Carduelis spinus	17240	Vermivora peregrina
15880	Acridotheres ginginianus	16550	Carduelis pinus	17250	Vermivora celata
15890	Acridotheres cristatellus	16560	Carduelis notata	17260	Vermivora ruficapilla
15900	Passer ammodendri	16570	Carduelis tristis	17270	Vermivora virginiae
15910	Passer domesticus	16580	Carduelis psaltria	17280	Vermivora crissalis
15911	Passer domesticus domesticus	16590	Carduelis lawrencei	17290	Vermivora luciae
15912	Passer domesticus italiae	16600	Carduelis cannabina	17300	Vermivora superciliosa
15913	Passer domesticus indicus	16601	Carduelis cannabina cannabina	17310	Parula pitayumi
15920	Passer hispaniolensis	16602	Carduelis cannabina meadowaldoi	17320	Parula americana
15921	Passer hispaniolensis	16603	Carduelis cannabina harteri	17330	Dendroica petechia
15922	Passer hispaniolensis maltae	16604	Carduelis cannabina mediterranea	17340	Dendroica pensylvanica
15930	Passer pyrrhonotus	16610	Carduelis yemenensis	17350	Dendroica cerulea
15940	Passer rutilans	16620	Carduelis flavirostris	17360	Dendroica caerulescens
15950	Passer moabiticus	16630	Carduelis flammea	17370	Dendroica pinus
15960	Passer iagoensis	16631	Carduelis flammea flammea	17380	Dendroica graciae
15970	Passer simplex	16632	Carduelis flammea rostrata	17390	Dendroica pityophila
15980	Passer montanus	16634	Carduelis flammea cabaret	17400	Dendroica dominica
15990	Passer luteus	16640	Carduelis hornemanni	17410	Dendroica kirtlandii
16000	Passer eucherlorus	16641	Carduelis hornemanni hornemanni	17420	Dendroica nigrescens
16009	Passer sp.	16642	Carduelis hornemanni exilipes	17430	Dendroica occipitalis
16010	Petronia brachyactyla	16649	Carduelis spp.	17440	Dendroica townsendi
16020	Petronia xanthocollis	16650	Loxia leucoptera	17450	Dendroica virens
16030	Petronia dentata	16660	Loxia curvirostra	17460	Dendroica chrysoparia
16040	Petronia petronia	16670	Loxia scotica	17470	Dendroica fusca
16050	Montifringilla theresae	16680	Loxia pytyopsittacus	17480	Dendroica discolor
16060	Montifringilla blanfordi	16689	Loxia sp.	17490	Dendroica tigrina
16070	Montifringilla ruficollis	16690	Leucosticte nemoricola	17500	Dendroica magnolia
16080	Montifringilla davidiana	16700	Leucosticte brandti	17510	Dendroica coronata
16090	Montifringilla taczanowskii	16710	Leucosticte arctoa	17520	Dendroica palmarum
16100	Montifringilla adamsi	16720	Leucosticte tephrocotis	17530	Dendroica striata
16110	Montifringilla nivalis	16730	Rhodopechys sanguinea	17540	Dendroica castanea
16120	Ploceus gabula	16740	Rhodospiza obsoleta	17550	Setophaga ruticilla
16130	Lagonosticta senegala	16750	Bucanetes mongolicus	17560	Seiurus aurocapillus
16140	Uraeginthus bengalus	16760	Bucanetes githagineus	17570	Seiurus noveboracensis
16150	Estrilda astrild	16770	Carpodacus rubescens	17580	Seiurus motacilla
16160	Estrilda rufibarba	16780	Carpodacus nipalensis	17590	Helminthos swainsonii
16170	Amandava subflava	16790	Carpodacus erythrinus	17600	Helminthos vermivorus
16180	Euodice malabarica	16800	Carpodacus purpureus	17610	Protonotaria citrea
16190	Euodice cantanus	16810	Carpodacus cassinii	17620	Geothlypis trichas
16200	Lonchura striata	16820	Carpodacus mexicanus	17630	Geothlypis rostrata
16210	Vireo atricapillus	16830	Carpodacus pulcherrimus	17640	Geothlypis speciosa
16220	Vireo pallens	16840	Carpodacus eos	17650	Geothlypis nelsoni
16230	Vireo griseus	16850	Carpodacus rhodochrous	17660	Chamaethlypis poliocephala
16240	Vireo crassirostris	16860	Carpodacus vinaceus	17670	Oporornis formosus
16250	Vireo bellii	16870	Carpodacus edwardsii	17680	Oporornis agilis
16260	Vireo vicinior	16880	Carpodacus synoicus	17690	Oporornis philadelphia
16270	Vireo solitarius	16890	Carpodacus roseus	17700	Oporornis tolmiei
16280	Vireo flavifrons	16900	Carpodacus trifasciatus	17710	Wilsonia citrina
16290	Vireo huttoni	16910	Carpodacus rhodopeplus	17720	Wilsonia pusilla
16300	Vireo hypochryseus	16920	Carpodacus thura	17730	Wilsonia canadensis
16310	Vireo philadelphicus	16930	Carpodacus rhodochlamys	17740	Cardinella rubrifrons
16320	Vireo flavoviridis	16940	Carpodacus grandis	17750	Ergaticus ruber
16330	Vireo olivaceus	16950	Carpodacus rubicilloides	17760	Myioborus pictus
16340	Vireo altiloquus	16960	Carpodacus rubicilla	17770	Myioborus miniatus
16350	Vireo gilvus	16970	Carpodacus puniceus	17780	Euthlypis lachrymosa
16360	Fringilla coelebs	16980	Kozlowia roborowskii	17790	Basileuterus culicivorus
16361	Fringilla coelebs coelebs	16990	Pinicola enucleator	17800	Basileuterus rufifrons
16362	Fringilla coelebs africana	17000	Pyrrhula subhimachala	17810	Peucedramus taeniatus
16363	Fringilla coelebs ombriosa	17010	Chaunoproctus ferreostris	17820	Icteria virens
16364	Fringilla coelebs palmae	17020	Haematospiza sipahi	17830	Coereba flaveola
16365	Fringilla coelebs canariensis	17030	Pyrrhopterus epauletta	17840	Piranga bidentata
16370	Fringilla teydea	17040	Uragus sibiricus	17850	Piranga flava
16371	Fringilla teydea teydea	17050	Urocynchramus pylzowi	17860	Piranga rubra
16372	Fringilla teydea polatzeki	17060	Pyrrhula nipalensis	17870	Piranga ludoviciana
		17070	Pyrrhula aurantiaca	17880	Piranga olivacea

17890	Piranga erythrocephala	18690	Emberiza fucata	20270	Estrilda troglodytes
17900	Spindalis zena	18700	Emberiza elegans	20280	Rhodopechys githaginea (=16760
17910	Euphonia affinis	18710	Emberiza chrysophrys	Bucanetes githagineus)	
17920	Euphonia elegantissima	18720	Emberiza tristrami	20290	Lonchura malacca
17930	Diglossa baritula	18730	Emberiza rustica	20291	Lonchura malacca malacca
17940	Atlapetes pileatus	18740	Emberiza pusilla	20292	Lonchura malacca atricapilla
17950	Atlapetes torquatus	18750	Emberiza rutila	20300	Eudypetes chrysolophus
17960	Arremonops rufivirgatus	18760	Emberiza aureola	20310	Ardea melanocephala
17970	Pipilo chlorurus	18770	Emberiza schoeniclus	20320	Pachyptila desolata
17980	Pipilo erythrophthalmus	18771	Emberiza schoeniclus schoeniclus	20330	Pterodroma incerta
17990	Pipilo fuscus	18772	Emberiza schoeniclus witherbyi	20340	Cosypha natalensis
18000	Pipilo aberti	18780	Emberiza pallasi	20350	Sterna hirundinacea
18010	Melospiza kieneri	18790	Emberiza yessoensis	20360	Larus maculipennis
18020	Tiaris canora	18800	Emberiza bruniceps	20370	Argya fulva (= 13800 Turdoides
18030	Tiaris bicolor	18810	Emberiza melanocephala	fulvus)	
18040	Sporophila torqueola	18819	Emberiza sp.	20380	Chloephaga picta
18050	Volatinia jacarina	18820	Miliaria landra	20390	Myiopsitta monachus
18060	Aimophila bilineata	18830	Melophus lathami	20400	Oceanodroma markhami
18070	Aimophila belli	18840	Spiza americana	20410	Ploceus melanocephalus
18080	Aimophila mystacalis	18850	Pheucticus chrysopleus	20420	Euplectes afer
18090	Aimophila botterii	18860	Pheucticus melanocephalus	20430	Estrilda melpoda
18100	Aimophila cassinii	18870	Pheucticus ludovicianus	20439	Estrilda sp.
18110	Aimophila aestivalis	18880	Cardinalis cardinalis	20440	Poephila guttata
18120	Aimophila quinquestrata	18890	Cardinalis sinuatus	20450	Lonchura maja
18130	Aimophila carpalis	18900	Rhodothraupis celaeno	20459	Lonchura sp.
18140	Aimophila ruficeps	18910	Guiraca caerulea	20460	Charadrius marginatus
18150	Aimophila rufescens	18920	Passerina cyanea	20470	Euplectes orix
18160	Oriturus superciliosus	18930	Passerina amoena	20480	Euplectes franciscanus
18170	Spizella arborea	18940	Passerina versicolor	20490	Pterodroma cahow
18180	Spizella passerina	18950	Passerina ciris	20500	Sula capensis (= 00712 Sula
18190	Spizella pallida	18960	Passerina leclancherii	bassana capensis)	
18200	Spizella breweri	18970	Dolichonyx oryzivorus	20600	Larus dominicanus
18210	Spizella pusilla	18980	Molothrus aeneus	20700	Sterna vittata
18220	Spizella wortheni	18990	Molothrus ater	20800	Cygnus atratus
18230	Spizella atrogularis	19000	Euphagus cyanocephalus	20900	Acrocephalus baeticatus
18240	Chondestes grammacus	19010	Euphagus carolinensis	21000	Andropadus importunus
18250	Poocetes gramineus	19020	Quiscalus mexicanus	21100	Batis senegalensis
18260	Ammodramus sandwicensis	19030	Quiscalus palustris	21200	Camaroptera brachyura
18270	Ammodramus bairdii	19040	Quiscalus major	21300	Chalcites basalis
18280	Ammodramus savannarum	19050	Quiscalus quiscula	21400	Cosypha niveicapilla
18290	Ammodramus leconteii	19060	Sturnella neglecta	21500	Dicrurus adsimilis
18300	Ammodramus caudacutus	19070	Sturnella magna	21600	Dryoscopus senegalensis
18310	Ammodramus maritimus	19080	Agelaius tricolor	21700	Elminia longicauda
18320	Ammodramus baileyi	19090	Agelaius phoeniceus	21800	Halcyon senegaloides
18330	Ammodramus henslowii	19100	Agelaius humeralis	21900	Melaenomis edolioides
18340	Zonotrichia iliaca	19110	Xanthocephalus xanthocephalus	22000	Melaniparus leucomelas
18341	Zonotrichia iliaca iliaca	19120	Icterus parisorum	22100	Muscicapa caerulescens
18350	Melospiza melodia (= Zonotrichia	19130	Icterus graduacauda	22200	Myioparus plumbeus
melodia)		19140	Icterus wagleri	22300	Nectarinia bifasciata
18350	Zonotrichia melodia (= Melospiza	19150	Icterus dominicensis	22310	Nectarinia veroxii
melodia)		19160	Icterus cucullatus	22400	Nectarinia pulchella (= Panaeola
18360	Zonotrichia lincolni	19170	Icterus spurius	pulchella)	
18370	Zonotrichia georgiana	19180	Icterus galbula	22500	Passer motitensis
18380	Zonotrichia querula	19190	Icterus pustulatus	22600	Peliocichla pelios (= 26530 Turdus
18390	Zonotrichia leucophrys	19200	Icterus gularis	pelios)	
18400	Zonotrichia albicollis	19210	Icterus pectoralis	22700	Platysteira cyanea
18410	Zonotrichia atricapilla	19220	Cacicus melanicterus	22800	Plocepasser mahali
18420	Junco hyemalis	20010	Turtur afer	22900	Sylvietta brachyura
18430	Junco caniceps	20020	Thalassoica antarctica	23000	Terpsiphone rufiventer
18440	Junco phaeonotus	20030	Ploceus cucullatus	23100	Trochocercus cyanomelas
18450	Calamospiza melanocorys	20040	Phalacrocorax capensis	23200	Accipiter tachiro
18460	Calcarius mccownii	20050	Passer griseus	23300	Tympanistria tympanistria
18470	Calcarius lapponicus	20060	Pagodroma nivea	23400	Andropadus virens (= Eurillas
18480	Calcarius ornatus	20070	Chionis alba	virens)	
18490	Calcarius pictus	20080	Hirundo lucida	23500	Andropadus curvirostris
18500	Plectrophenax nivalis	20090	Diomedea chrysostoma	23600	Andropadus latirostris (=
18501	Plectrophenax nivalis nivalis	20100	Phoebetria palpebrata	Stelgidocichla latirostris)	
18502	Plectrophenax nivalis insulae	20110	Macronectes halli	23700	Phyllastrephus albigularis
18510	Emberiza siemsseni	20120	Pterodroma brevirostris	23800	Bleda canicapilla
18520	Emberiza variabilis	20130	Fulmarus glacialisoides	23900	Criniger barbatus
18530	Emberiza spodocephala	20140	Garrodia nereis	24000	Criniger calurus
18540	Emberiza sulphurata	20150	Porphyryla flavirostris	24200	Stiphornis erythrothorax
18550	Emberiza koslowi	20160	Halobaena caerulea	24300	Camaroptera brevicaudata
18560	Emberiza leucocephalos	20170	Pelecanoides urinatrix	24400	Sylvietta virens
18570	Emberiza citrinella	20180	Pelecanoides georgicus	24500	Hylia prasina
18580	Emberiza cirinus	20190	Phalacrocorax atriceps	24600	Fraseria cinerascens
18590	Emberiza stewarti	20191	Phalacrocorax atriceps atriceps	24700	Dyaphorophyia castanea
18600	Emberiza cia	20192	Phalacrocorax atriceps nivalis	24800	Tchitrea rufiventer (= 23000
18610	Emberiza cioides	20193	Phalacrocorax atriceps georgianus	Terpsiphone rufiventer)	
18620	Emberiza jankowskii	20200	Pygoscelis adeliae	24900	Illadopsis rufescens (= Trichastoma
18630	Emberiza striolata	20210	Pygoscelis antarctica	rufescens)	
18640	Emberiza tahapisi	20220	Pygoscelis papua	24995	Species not accepted
18650	Emberiza cineracea	20230	Phoenicopterus chilensis	24997	Cage & exotic birds
18660	Emberiza hortulana	20240	Quelea quelea	24998	Hybrids & intermediates
18670	Emberiza buchanani	20250	Amandava amandava	25000	Trichastoma moloneyanum iboensis
18680	Emberiza caesia	20260	Lonchura punctulata	(taxonomic origin unknown)	

25100	Anthreptes collaris	27030	Furnarius leucopus	27750	Aptenodytes patagonicus
25200	Cyanomitra olivacea	27031	Furnarius leucopus leucopus	27760	Aptenodytes forsteri
25300	Nicator chloris	27040	Furnarius rufus	27770	Anas georgica
25400	Malimbus nitens	27050	Galbula ruficauda	27771	Anas georgica georgica
25500	Spermophaga haematina	27051	Galbula ruficauda ruficauda	27772	Anas georgica spinicauda
25600	Laniarius aethiopicus	27060	Geothlypis aequinoctialis	27780	Anthus antarcticus
25700	Callonetta leucophrys	27061	Geothlypis aequinoctialis	27790	Procellaria cinera
25800	Mareca sibilatrix			27800	Procellaria aequinoctialis
25900	Paecilomettes bahamensis (= Ø1900	27070	Hemitriccus flammulatus	27810	Procellaria parkinsoni
	Anas bahamensis)	27080	Hemitriccus zosterops	27820	Procellaria westlandica
26000	Pyrrhura orcesi	27090	Hydropsalis brasiliensis	27830	Otus insularis
26100	Atlapetes pallidiceps	27100	Icterus cayanensis	27900	Neochen jubata
26200	Cyanoliseus patagonus	27110	Inezia inornata	27910	Copsychus albospecularis
26300	Larus belcheri	27120	Jacana jacana	27920	Copsychus saularis
26400	Ploceus castaneiceps	27130	Knipolegus hudsoni	27930	Copsychus sechellarum
26410	Ploceus capitalis	27140	Laterallus melanophaius	27940	Copsychus malabaricus
26420	Ploceus intermedius	27150	Lathrotriccus eulieri	27960	Copsychus luzoniensis
26430	Vidua macroura	27160	Lepidocolaptes angustirostris	27970	Copsychus niger
26440	Estrilda perreina	27170	Leptopogon amaurocephalus	27980	Copsychus cebuensis
26450	Estrilda rhodopyga	27180	Leptotila rufaxilla	27990	Balearica regulorum
26460	Amauromis flavirostris	27190	Leucopternis schistacea	27991	Balearica regulorum regulorum
26470	Vanellus albiceps	27200	Mimus saturninus	27992	Balearica regulorum gibbericeps
26480	Illadopsis puveli	27210	Momotus momota	28000	Anas erythrorhyncha
26490	Prionops plumatus	27211	Momotus momota momota	28010	Francolinus erckelii
26500	Calamator leuillauii	27212	Momotus momota coeruleiceps	28020	Anumbius annumbi
26510	Streptopelia vinacea	27220	Monasa nigrifrons	28030	Anas bernieri
26520	Campethera punctuligera	27230	Myiarchus ferox	30010	Accipiter castanilius
26530	Turdus pelios	27240	Myiarchus swainsoni	30020	Accipiter erythropus
26540	Chlorocichla flavicollis	27250	Myiophobus fasciatus	30030	Accipiter melanoleucus
26550	Lybius dubius	27260	Myiozetetes cayanensis	30040	Accipiter ovampensis
26560	Larus argentatus mongolicus	27270	Myrmeciza hemimelaena	30050	Acrocephalus gracilirostris
26570	Anas crecca carolinensis (=Ø1842)	27280	Myrmeciza hyperythra	30060	Acrocephalus rufescens
26580	Sylvia minula	27290	Myrmoborus leucophrys	30070	Actophilornis africanus
26590	Nettapus auritus	27300	Neopelma sulphureiventer	30080	Aenigmatolimnas marginalis
26600	Coturnix delegorguei	27310	Oryzoborus angolensis	30090	Agapornis pullarius
26610	Psittacula eupatria	27320	Paroaria gularis	30100	Agelastes niger
26620	Euplectes albonotatus	27321	Paroaria gularis gularis	30110	Alcedo coerulescens
26632	Larus argentatus smithsonianus	27330	Phacellodomus ruber	30120	Alcedo cristata
26642	Motacilla flava leucocephala	27340	Picumnus albosquamatus	30130	Alcedo leucogaster
26643	Motacilla flava similima	27350	Pipra fasciicauda	30140	Alcedo quadribrachys
26650	Tadorna radjah	27360	Poliopitila dumicola	30150	Alethe diademata
26660	Tadorna cana	27361	Poliopitila dumicola dumicola	30160	Amadina fasciata
26670	Tadorna tadornoides	27370	Pseudocolopteryx sclateri	30170	Amblyospiza albifrons
26680	Tadorna variegata	27380	Ramphocelus carbo	30180	Anaplectes rubriceps
26690	Amazona oratrix	27390	Saltator maximus	30190	Anas hottentota
26700	Pachyptila belcheri	27400	Satrapa icterophrys	30200	Anas sparsa
26710	Centropus superciliosus	27410	Schiffornis turdinus	30210	Anas undulata
26711	Centropus superciliosus	27420	Schistochlamys melanopsis	30220	Anastomus lamelligerus
	superciliosus	27430	Serpophaga munda	30230	Andropadus ansorgei
26712	Centropus superciliosus sokotrae	27440	Sittasomus griseicapillus	30240	Andropadus gracilirostris
26713	Centropus superciliosus loandae	27450	Sporophila caerulescens	30250	Andropadus gracilis
26714	Centropus superciliosus burchellii	27460	Sporophila collaris	30260	Andropadus montanus
26720	Agelaius cyanopus	27470	Sporophila leucoptera	30270	Andropadus tephrolaemus
26730	Ammodramus humeralis	27471	Sporophila leucoptera leucoptera	30280	Anhinga rufa
26740	Anthus hellmayri	27472	Sporophila leucoptera bicolor	30290	Anomalospiza imberbis
26750	Aratinga leucophthalmus	27480	Sporophila ruficollis	30300	Anous minutus
26760	Arremon taciturnus	27490	Synallaxis albescens	30310	Anthoscopus flavifrons
26770	Attila bolivianus	27500	Synallaxis gujanensis	30320	Anthoscopus parvulus
26780	Buteo magnirostris	27510	Synallaxis hypospodia	30330	Anthoscopus punctifrons
26790	Cacicus cela	27520	Tapera naevia	30340	Anthreptes fraseri
26800	Campostoma obsoletum	27530	Taraba major	30350	Anthreptes gabonicus
26810	Caprimulgus parvulus parvulus	27540	Thamnophilus doliatus	30360	Anthreptes longuemarei
26820	Certhiaxis cinnamomea	27541	Thamnophilus doliatus doliatus	30370	Anthreptes rectirostris
26830	Chloroceryle amazona	27550	Thamnophilus punctatus	30380	Anthus cinnamomeus
26840	Cnemotriccus fuscatus	27560	Thamnophilus schistaceus	30390	Anthus leucophrys
26850	Colaptes campestris	27570	Thlypopsis sordida	30400	Apalis cinerea
26860	Columbina picui	27580	Thraupis palmarum	30410	Apalis flavida
26870	Coryphaspiza melanotis	27590	Thraupis sayaca	30420	Apalis jacksoni
26880	Cranioleuca gutturalis	27600	Thryothorus genibarbis	30430	Apalis nigriceps
26890	Crypturellus parvirostris	27610	Thryothorus guarayanus	30440	Apalis pulchra
26900	Culicivora caudacuta	27620	Todirostrum latirostre	30450	Apalis rufogularis
26910	Deconychura longicauda	27630	Tolmomyias sulphurescens	30460	Apaloderma aequatoriale
26920	Dendrocincla merula	27640	Trogon melanurus	30470	Apaloderma narina
26921	Dendrocincla merula merula	27650	Turdus amaurochalinus	30480	Apaloderma vittatum
26930	Donacobius atricapilla	27660	Turdus hauxwelli	30490	Aplopelia larvata
26940	Donacobius albifrons	27670	Veniilornis passerinus	30500	Apus barbatus
26950	Dysithamnus mentalis	27680	Xenops tenuirostris	30510	Apus horus
26960	Elaenia flavogaster	27690	Xiphorhynchus guttatus	30520	Apus sladeniae
26970	Elaenia parvirostris	27691	Xiphorhynchus guttatus guttatus	30530	Aquila nipalensis (= Ø2942 A.r.n.)
26980	Emberizoides herbicola	27700	Xiphorhynchus picus	30540	Aquila wahlbergi
26990	Eucometis penicillata	27710	Xolmis velata	30550	Ardea intermedia (=Ø1200 E.i.)
26991	Eucometis penicillata penicillata	27720	Fregatta gallearia	30560	Ardea rufiventris
27000	Euphonia chlorotica	27730	Fregatta tropica	30570	Aviceda cuculoides
27010	Euphonia lanirostris	27740	Pachyptila turtur	30580	Baeopogon clamans
27011	Euphonia lanirostris lanirostris	27741	Pachyptila turtur turtur	30590	Baeopogon indicator
27020	Formicivora rufa	27742	Pachyptila turtur subantarctica	30600	Balearica pavonina

30601	Balearica pavonina pavonina	31450	Coracias naevia	32320	Halcyon senegalensis
30602	Balearica pavonina ceciliae	31460	Coracina azurea	32330	Harporhynchus coronatus
30610	Batis orientalis	31470	Coracina caesia	32340	Heliolepis erythroptera
30620	Batis poensis	31480	Coracina pectoralis	32350	Hieraaetus ayresii
30630	Bias flammulatus	31490	Corvinella corvina	32360	Hieraaetus spilogaster
30640	Bias musicus	31500	Corythaeola cristata	32370	Himantornis haematopus
30650	Bleda eximia	31510	Cossypha albicapilla	32380	Hirundo abyssinica
30660	Bleda syndactyla	31520	Cossypha cyanocampter	32390	Hirundo aethiopica
30670	Bostrychia hagedash	31530	Cossypha isabellae	32400	Hirundo domicella (=09952
30680	Bostrychia olivacea	31540	Cossypha polioptera		H.aurica domicella)
30690	Bostrychia rara	31550	Cossyphicula roberti	32410	Hirundo fuligula
30700	Bradornis pallidus	31560	Coturnix adansonii	32420	Hirundo leucosoma
30710	Bradypterus baboecala	31570	Crecopsis egregia	32430	Hirundo nigrita
30720	Bradypterus bangwaensis	31580	Crinifer piscator	32440	Hirundo prussi
30730	Bubalornis albirostris	31590	Criniger chloronotus	32450	Hirundo semirufa
30740	Bubo lacteus	31600	Criniger olivaceus	32460	Hirundo senegalensis
30750	Bubo poensis	31610	Cuculus clamorus	32470	Hylota flavigaster
30760	Buccanodon duchailui	31620	Cuculus gularis	32480	Hylota violacea
30770	Bucorvus abyssinicus	31630	Cuculus solitarius	32490	Hypergerus atriceps
30780	Buphagus africanus	31640	Cursorius temminckii	32500	Illadopsis cleaveri
30790	Burhinus vermiculatus	31650	Dendropicos elachus	32510	Illadopsis fulvescens
30800	Butastur rufipennis	31660	Dendropicos ellioti	32520	Illadopsis rufipennis
30810	Buteo auguralis	31670	Dendropicos fuscescens	32530	Indicator exilis
30820	Calyptocichla serina	31680	Dendropicos gabonensis	32540	Indicator indicator
30830	Camaroptera chloronota	31690	Dendropicos goertae	32550	Indicator maculatus
30840	Camaroptera superciliosus	31700	Dendropicos obsoletus	32560	Indicator minor
30850	Campephaga oriolina	31710	Dendropicos poecilolaemus	32570	Indicator willcocksi
30860	Campephaga petiti	31720	Dendropicos pyrrhogaster	32580	Ispidina lecontei
30870	Campephaga phoenicea	31730	Dendropicos xantholophus	32590	Ispidina picta
30880	Campephaga quiscalina	31740	Dicrurus atripennis	32600	Ixobrychus sturmi
30890	Campethera abingoni	31750	Dicrurus ludwigii	32610	Ixonotus guttatus
30900	Campethera cailliautii	31760	Dicrurus modestus	32620	Jynx ruficollis
30910	Campethera caroli	31770	Dryocichla incana	32630	Kakamega poliothorax
30920	Campethera nivosa	31780	Dryoscopus angolensis	32640	Kaupifalco monogrammicus
30930	Campethera tullbergi	31790	Dryoscopus gambensis	32650	Kupeornis gilberti
30940	Canirallus oculus	31800	Dryoscopus sabinii	32660	Lagonosticta larvata
30950	Caprimulgus climacurus	31810	Dryotriorchis spectabilis	32670	Lagonosticta rara
30960	Caprimulgus natalensis	31820	Egretta ardesiaca	32680	Lagonosticta rubricata
30970	Caprimulgus pectoralis	31830	Elanus axillaris	32690	Lagonosticta rufopicta
30980	Caprimulgus tristigma	31840	Elminia albiventris	32700	Lagonosticta sanguinodorsalis
30990	Centropus grillii	31850	Elminia nigromitrata	32710	Lamprotornis caudatus
31000	Centropus leucogaster	31860	Emberiza affinis	32720	Lamprotornis chalcurus
31010	Centropus monachus	31870	Emberiza cabanisi	32730	Lamprotornis chalybaeus
31020	Ceratogymna albotibialis	31880	Emberiza flaviventris	32740	Lamprotornis chloropterus
31030	Ceratogymna atrata	31890	Ephippiorhynchus senegalensis	32750	Lamprotornis pulcher
31040	Ceratogymna bucinator	31900	Eremomela badiceps	32760	Lamprotornis purpureiceps
31050	Ceratogymna elata	31910	Eremomela canescens	32770	Lamprotornis splendens
31060	Ceratogymna fistulator	31920	Eremomela icteropygialis	32780	Lamprotornis splendidus
31070	Ceratogymna subcylindricus	31930	Eremomela pusilla	32790	Laniarius atrococcineus
31080	Cercococcyx mehowi	31940	Eremopterix leucotis	32800	Laniarius atrofasciatus
31090	Cercococcyx olivinus	31950	Erythrocerus mcallii	32810	Laniarius barbarus
31100	Cercomela familiaris	31960	Estrilda caerulescens	32820	Laniarius erythrogaster
31110	Cercotrichas hartlaubi	31970	Estrilda nonnula	32830	Laniarius fuelleborni
31120	Ceuthochares aereus	31980	Estrilda paludicola	32840	Laniarius leucorhynchus
31130	Charadrius forbesi	31990	Estrilda poliopareia	32850	Laniarius luehderi
31140	Charadrius tricollaris	32000	Euplectes ardens	32860	Laniarius barbarus (=32810 L.b.)
31150	Chelictinia riocourii	32010	Euplectes axillaris	32870	Lanius collaris
31160	Chlorocichla simplex	32020	Euplectes capensis	32880	Lanius excubitoroides
31170	Chloropeta natalensis	32030	Euplectes hartlaubi	32890	Lanius gubernator
31180	Chrysococcyx cupreus	32040	Euplectes hordeaceus	32900	Lanius mackinnoni
31190	Chrysococcyx flavigularis	32050	Euplectes macrourus	32910	Lanius meridionalis (=15203
31200	Circaetus cinerascens	32060	Eupodotis melanogaster		L.e.m.)
31210	Circaetus cinereus	32070	Eupodotis ruficrista	32920	Linurgus olivaceus
31220	Cisticola anonymus	32080	Eupodotis senegalensis	32930	Lonchura cantans (=16190 E.c.)
31230	Cisticola aridulus	32090	Eurystomus gularis	32940	Lophaetus occipitalis
31240	Cisticola brachypterus	32100	Euschistospiza dybowskii	32950	Lybius bidentatus
31250	Cisticola cantans	32110	Falco alopec	32960	Lybius leucocephalus
31260	Cisticola chubbii	32120	Falco ardosiaceus	32970	Lybius vieilloti
31270	Cisticola dorsti	32130	Falco cuvierii	32980	Macheiramphus alcinus
31280	Cisticola emini	32140	Fraseria ocreata	32990	Macrodipteryx longipennis
31290	Cisticola erythrops	32150	Galerida modesta	33000	Macrodipteryx vexillarius
31300	Cisticola eximius	32160	Gallinula angulata	33010	Macrosphenus flavicans
31310	Cisticola galactotes	32170	Glareola cinerea	33020	Macrosphenus kempii
31320	Cisticola lateralis	32180	Glareola nuchalis	33030	Malaconotus blanchoti
31330	Cisticola natalensis	32190	Glaucidium perlatum	33040	Malaconotus cruentus
31340	Cisticola robustus	32200	Glaucidium sjoestedti	33050	Malaconotus gladiator
31350	Cisticola ruficeps	32210	Gorsachius leucanotus	33060	Malaconotus sulfureopecorus
31360	Cisticola rufus	32220	Grus virgo (=04410 A.v.)	33070	Malimbus erythrogaster
31370	Clamator levaillantii	32230	Guttera pucherani	33080	Malimbus ibadanensis
31380	Clytospiza montei	32240	Gymnobucco calvus	33090	Malimbus malimbicus
31390	Colius striatus	32250	Gymnobucco peli	33100	Malimbus racheliae
31400	Columba arquatrix	32260	Gypohierax angolensis	33110	Malimbus rubricollis
31410	Columba delegouei	32270	Gyps africanus	33120	Malimbus scutatus
31420	Columba guinea	32280	Halcyon badia	33130	Mandingoa nitidula
31430	Columba uncinata	32300	Halcyon cheliciti	33140	Megaceryle maxima
31440	Coracias cyanogaster	32310	Halcyon malimbica	33150	Melichneutes robustus

33160	Melierax gabar (=02660 M.g.)	34020	Phyllanthus atripennis	34880	Serinus mozambicus
33170	Melocichla mentalis	34030	Phyllastrephus baumanni	34890	Sheppardia cymnithopsis
33180	Merops breweri	34040	Phyllastrephus icterinus	34900	Smithornis capensis
33190	Merops bulcocki	34050	Phyllastrephus poensis	34910	Smithornis rufolateralis
33200	Merops gularis	34060	Phyllastrephus poliocephalus	34920	Smithornis sharpei
33210	Merops hirundineus	34070	Phyllastrephus xavieri	34930	Spermestes sharpei
33220	Merops malimbicus	34080	Phyllolais pulchella	34940	Spermestes cucullator
33230	Merops muelleri	34090	Phylloscopus herberti	34950	Spermestes fringilloides
33240	Merops nubicus	34100	Picathartes oreas	34960	Spiloptila clamans
33250	Merops pusillus	34110	Pinarocorys erythropygia	34970	Spizaetus africanus
33260	Merops variegatus	34120	Pitta angolensis	34980	Sporopipes frontalis
33270	Microparra capensis	34130	Platalea alba	34990	Sterna balaenarum
33280	Mirafra africana	34140	Platysteira blissetti	35000	Streptopelia decipiens
33290	Mirafra rufocinnamomea	34150	Platysteira castanea	35010	Streptopelia hypopyrrha
33300	Morus capensis	34160	Platysteira concreta	35020	Strix woodfordii
33310	Motacilla clara	34170	Plocepasser superciliosus	35030	Sylvietta denti
33320	Muscicapa adusta	34180	Ploceus albinucha	35040	Tachymarptis aequatorialis
33330	Muscicapa aquatica	34190	Ploceus aurantius	35050	Tauraco leucolophus
33340	Muscicapa cassini	34200	Ploceus baglafecht	35060	Tauraco macrorhynchus
33350	Muscicapa comitata	34210	Ploceus bannermani	35070	Tauraco persa
33360	Muscicapa epulata	34220	Ploceus bicolor	35080	Tchagra australis
33370	Muscicapa infuscata	34230	Ploceus heuglini	35090	Tchagra minuta
33380	Muscicapa olivascens	34240	Ploceus insignis	35100	Telacanthura melanopygia
33390	Muscicapa sethsmithi	34250	Ploceus luteolus	35110	Telacanthura ussheri
33400	Muscicapa tessmanni	34260	Ploceus nigricollis	35120	Telophorus multicolor
33410	Muscicapa ussheri	34270	Ploceus ocellularis	35130	Telophorus sulfureopectus
33420	Musophaga violacea	34280	Ploceus pelzelni	35140	Terpsiphone rufocinerea
33430	Myioparus griseigularis	34290	Ploceus tricolor	35150	Thalassornis leucanotus
33440	Myrmecocichla albifrons	34300	Ploceus vitellinus	35160	Thamnolea cinnamomeiventris
33450	Myrmecocichla nigra	34310	Podica senegalensis	35170	Thamnolea coronata
33460	Neafrapus cassini	34320	Poeyoptera lugubris	35180	Thescelocichla leucopleura
33470	Nectarinia adelberti	34330	Pogoniulus atroflavus	35190	Tigriornis leucolophus
33480	Nectarinia batesi	34340	Pogoniulus bilineatus	35200	Tockus camurus
33490	Nectarinia bouvieri	34350	Pogoniulus chrysoconus	35210	Tockus erythrorhynchus
33500	Nectarinia chloropygia	34360	Pogoniulus coryphaeus	35220	Tockus fasciatus
33510	Nectarinia coccinigaster	34370	Pogoniulus pusillus	35230	Tockus hartlaubi
33520	Nectarinia cuprea	34380	Pogoniulus scolopaceus	35240	Trachyphonus margaritatus
33530	Nectarinia cyanoaema	34390	Pogoniulus subsulphureus	35250	Trachyphonus purpuratus
33540	Nectarinia fuliginosa	34400	Poicephalus guillemi	35260	Treron calva
33550	Nectarinia johannae	34410	Poicephalus robustus	35270	Tricholaema hirsuta
33560	Nectarinia minulla	34420	Poicephalus senegalus	35280	Trigonoceps occipitalis
33570	Nectarinia olivacea (=25200 C.o.)	34430	Polemaetus bellicosus	35290	Trochocercus nitens
33580	Nectarinia oritis	34440	Poliolais lopezi	35300	Tropicranus albocristatus
33590	Nectarinia preussi	34450	Polyboroides typus	35310	Turdoidea plebejus
33600	Nectarinia reichenbachii	34460	Prinia fluvialis	35320	Turdoidea reinwardtii
33610	Nectarinia rubescens	34470	Prinia subflava	35330	Turnix nana
33620	Nectarinia seimundi	34480	Prionops caniceps	35340	Turtur abyssinicus
33630	Nectarinia senegalensis	34490	Prodotiscus insignis	35350	Turtur brehmeri
33640	Nectarinia superba	34500	Prodotiscus regulus	35360	Turtur tympanistris
33650	Nectarinia venusta	34510	Psalidoprocne fuliginosa	35370	Upupa africana (= 08467 U.e.a.)
33660	Nectarinia verticalis	34520	Psalidoprocne holomelas	35380	Urocolius macrourus
33670	Neocossyphus finschii	34530	Psalidoprocne nitens	35390	Urolais epichlora
33680	Neocossyphus fraseri	34540	Psalidoprocne obscura	35400	Urotrochis macrourus
33690	Neocossyphus poensis	34550	Pseudhirundo griseopyga	35410	Vanellus crassirostris
33700	Neocossyphus rufus	34560	Pseudoalcippe abyssinica	35420	Vanellus lugubris
33710	Neotis nuba	34570	Psittacus erithacus	35430	Vanellus senegallus
33720	Nesocharis capistrata	34580	Pternistis achantensis	35440	Vanellus superciliosus
33730	Nesocharis shelleyi	34590	Pternistis bicalcaratus	35450	Vanellus tectus
33740	Nigrita bicolor	34600	Pternistis clappertoni	35460	Vidua chalybeata
33750	Nigrita canicapilla	34610	Pternistis squamatus	35470	Vidua funerea
33760	Nigrita fusconota	34620	Pterocles quadricinctus	35480	Vidua interjecta
33770	Nigrita luteifrons	34630	Pteronetta hartlaubii	35490	Vidua larvaticola
33780	Nilais afer	34640	Ptilopachus petrosus	35500	Vidua maryae
33790	Oenanthe heuglini	34650	Ptilostomus afer	35510	Vidua nigeriae
33800	Onychognathus fulgidus	34660	Pyrenestes ostrinus	35520	Vidua paradisaea
33810	Onychognathus morio	34670	Pyrrhurus scandens	35530	Vidua raricola
33820	Onychognathus walleri	34680	Pytilia hypogrammica	35540	Vidua wilsoni
33830	Oriolus auratus	34690	Pytilia melba	35550	Zoothera crossleyi
33840	Oriolus brachyrhynchus	34700	Pytilia phoenicoptera	35560	Zoothera princei
33850	Oriolus nigripennis	34710	Rhaphidura sabini	35570	Zosterops senegalensis
33860	Ortygospiza atricollis	34720	Rhinopomastus aterrimus		
33870	Ortyxelos meiffrenii	34730	Rhinoptilus chalcopterus	90010	01600 x 01670 (A.e. x B.I., sex of parents unknown)
33880	Otus leucotis	34740	Riparia cincta	90011	01600 x 01670 (A.e.male x B.I.female)
33890	Otus senegalensis	34750	Sagittarius serpentarius	90012	01670 x 01600 (B.I.male x A.e.female)
33900	Pachycoccyx audeberti	34760	Salpornis spilnotus	90020	01610 x 01660 (A.a. x B.c., sex of parents unknown)
33910	Pachyphantes superciliosus	34770	Sarkidiornis melanotos	90021	01610 x 01660 (A.a.male x B.c.female)
33920	Parmoptila woodhousei	34780	Sarothrura boehmi	90022	01660 x 01610 (B.c.male x A.a.female)
33930	Parus albiventris	34790	Sarothrura elegans	90030	01620 x 01670 (A.i. x B.I., sex of parents unknown)
33940	Parus leucomelas	34800	Sarothrura pulchra	90031	01620 x 01670 (A.i.male x
33950	Peliperdix albogularis	34810	Sarothrura rufa		
33960	Peliperdix coqui	34820	Schoenicola brevirostris		
33970	Peliperdix lathamii	34830	Scotopelia bouvieri		
33980	Phoeniculus bollei	34840	Scotopelia peli		
33990	Phoeniculus castaneiceps	34850	Serinus burtoni		
34000	Phoeniculus purpureus	34860	Serinus gularis		
34010	Pholidornis rushiae	34870	Serinus leucopygius		

B.l.female)
 90032 01670 x 01620 (B.l.male x A.i.female)
 90040 01660 x 01670 (B.c. x B.l., sex of parents unknown)
 90041 01660 x 01670 (B.c.male x B.l.female)
 90042 01670 x 01660 (B.l.male x B.c.female)
 90050 01860 x domesticated duck (A.p. x 'domesticus', sex of paren
 90051 01860 x domesticated duck (A.p.male x 'domesticus' female)
 90052 domesticated duck x 01860 ('domesticus' male x A.p.female)
 90060 03200 Falco peregrinus hybrid
 90061 reserved
 90062 reserved
 90070 03320 x 03350 (T.t. x T.u., sex of parents unknown)
 90071 03320 x 03350 (T.t.male x T.u.female)
 90072 03350 x 03320 (T.u.male x T.t.female)
 90080 05920 x 05990 Nelson's Gull (L.a. x L.h., sex of parents unk
 90081 05920 x 05990 Nelson's Gull (L.a.male x L.h.female)
 90082 05990 x 05920 Nelson's Gull (L.h.male x L.a.female)
 90090 05920 x 05927 (L.a. x L.a.c., sex of parents unknown)
 90091 05920 x 05927 (L.a.male x L.a.c.female)
 90092 05927 x 05920 (L.a.c.male x L.a.female)
 90100 09920 x 10010 (H.r. x D.u., sex of parents unknown)
 90101 09920 x 10010 (H.r.male x D.u.female)
 90102 10010 x 09920 (D.u.male x H.r.female)
 90110 11210 x 11220 (P.o. x P.p., sex of parents unknown)
 90111 11210 x 11220 (P.o.male x P.p.female)
 90112 11220 x 11210 (P.p.male x P.o.female)
 90120 12510 x 12530 (A.s. x A.a., sex of parents unknown)
 90121 12510 x 12530 (A.s.male x A.a.female)
 90122 12530 x 12510 (A.a.male x A.s.female)
 90130 Backcrossing Ficedula
 90131 reserved
 90132 reserved
 90140 13480 x 13490 (F.a. x F.h., sex of parents unknown)
 90141 13480 x 13490 (F.a.male x F.h.female)
 90142 13490 x 13480 (F.h.male x F.a.female)
 90150 14620 x 14630 Pleske's Tit (P.ca. x P.cy., sex of parents un
 90151 14620 x 14530 Pleske's Tit (P.ca.male x P.cy.female)
 90152 14630 x 14620 Pleske's Tit (P.cy.male x P.ca.female)
 90160 16540 Carduelis spinus hybrid
 90161 reserved
 90162 reserved
 99999 Ring destroyed or lost

MANIPULATED

alphabetic, one column (3Ø)

The options are presented in the order: the most important first.

- H Hand reared.
- K Fledging provoked.
- C Captive for more than 24 hours (code date of release).
- F Transported (more than 1Økm) FROM co-ordinates coded.
- T Transported (more than 1Økm) TO co-ordinates coded.
- M Manipulated (injection, biopsy, radio- or satellite telemetry etc.).
- R *Ringing accident.
- P *Poor condition when caught.
- N Normal, not manipulated bird.
- U Unknown if manipulated or not.

***NOTE.**

Code R to be used where ringing has caused injury to bird and code P where the bird was already in poor condition when it was caught. Note that accidental loss of more than half the rectrices should cause these codes to be used but not if the loss was during the normal course of the birds moult.

If more than one of these codes applies to any bird, the appropriate code furthest up the list should be used.

MOVED BEFORE THE CAPTURE / RECAPTURE / RECOVERY

numeric, one column (31)

- 6 Moved by water (e.g. found on shoreline).
- 4 Moved intentionally by man.
- 2 Moved unintentionally by man or other agency.
- Ø Not moved.

NB. The movement indicated by these codes is that which has happened before the capture / recapture / recovery has been reported and indicates that the bird may have last been alive in the wild state at some place other than the capture / recapture / recovery locality coded.

MOVED BY WATER. This category will not only include birds floating down river or drifting in the tide at sea, but also corpses found stranded on the tide-line, found in flotsam inland after floods or found on the shore of large lakes (big enough for there to have possibly been significant displacement of the body after death).

MOVED INTENTIONALLY BY MAN will include caged birds offered for sale in markets or shot game birds offered for sale where it is not possible to discover where they were caught or killed. It should also be used for ring or ring and leg (Ø2 and Ø3 respectively in the field "circumstances") found in circumstances where it is obvious that they have been moved by man intentionally (e.g. in a Post Office, in a drawer).

MOVED BY OTHER AGENCY will most commonly be used for unintentional movement by man when the bird has been struck by and stuck in a moving vehicle. However it can be used for birds killed by predators where they may have moved their (ringed) prey a significant distance.

CATCHING METHOD

alphabetic, one column (32)

- (one 'hyphen') not applicable, because there was no catching at all (for example 'found' or 'found dead' or 'shot')
- Z unknown
- M **M**ist net
- C **C**annon net or rocket net
- D **D**azzling
- W passive **W**alk-in / maze trap
- A **A**ctively triggered trap (by ringer)
- B trap automatically triggered by **B**ird
- L **cL**ap net
- P **P**hut net
- T Helgoland **T**rap or duck decoy
- H by **H**and (with or without hook, noose etc.)
- N on **N**est (any method)
- R **R**ound up whilst flightless
- F caught in **F**light by anything other than a static mist net (e.g. flicked)
- V roosting in **caV**ity
- S ball-chatri or other **S**nare device
- U Dutch net for *PIU*vialis *apricaria*
- G Nets put just under the water's surface and lifted up as waterfowl (ducks, **G**rebes, divers) swim over it
- O any **O**ther system (the alphabetic character "O")

CATCHING LURES

alphabetic, one column (33)

- (one 'hyphen') not applicable, because there was no catching lures at all (for example 'found' or 'found dead' or 'shot')
- U unknown or not coded
- A food
- B water
- C light
- D decoy birds (alive)
- E decoy birds (stuffed specimens or artificial decoy)
- F sound from tape recorder (same species)
- G sound from tape recorder (other species)
- H sound from mechanical whistle

- M more than one lure used
- N definitely no lure used

SEX, as mentioned by the person who handled the bird.

alphabetic, one column (34)

U Unknown
M Male
F Female

SEX, as concluded by the Scheme.

alphabetic, one column (35)

Coding this field is the same as in the previous field.

NOTE.

The importance of this field is to confirm if the Scheme considers the sex, given by the person who handled the bird, is correct or not.

AGE, as mentioned by the person who handled the bird.

alphanumeric, one column (36)

- Ø Age unknown, i.e. not recorded.
 - 1 Pullus: nestling or chick, unable to fly freely, still able to be caught by hand.
 - 2 Full-grown: able to fly freely but age otherwise unknown.
 - 3 First-year: full-grown bird hatched in the breeding season of this calendar year.
 - 4 After first-year: full-grown bird hatched before this calendar year; year of birth otherwise unknown.
 - 5 2nd year: a bird hatched last calendar year and now in its second calendar year.
 - 6 After 2nd year: full-grown bird hatched before last calendar year; year of birth otherwise unknown.
 - 7 3rd year: a bird hatched two calendar years before, and now in its third calendar year.
 - 8 After 3rd year: a full-grown bird hatched more than three calendar years ago (including present year as one); year if bird otherwise unknown.
 - 9 4th year: a bird hatched three calendar years before, and now in its fourth calendar year.
- A After 4th year: a bird older than category 9 - age otherwise unknown.
B 5th year: one year older than category 9 - age known exactly to the year. C, D, E, F, G, H, J, K, L, etc. onwards *et seq.*

N.B. Because the calendar year is used throughout this coding system all birds change code overnight on December 31st - January 1st. In fact every bird from 2 and onwards has two added to the age because a bird identifiable at the end of December as 'First-year' (code 3) will, at the beginning of January be 'Second-year' (code 5) and so on.

The principle is simply understood by considering the codes for a fully grown bird caught during 1978, see below. The top line gives the year indicated by the code, the second line the code for a bird definitely hatched in that calendar year and trapped and aged in 1978, the third (bottom line) the code for a bird of unknown age except that it was hatched not later than that year.

1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966
3	5	7	9	B	D	F	H	K	M	P	R	T
2	4	6	8	A	C	E	G	J	L	N	Q	S

Although only a minority of species can be aged into the alphabetic codes provided, it is felt helpful to have the EURING age code extended to be able to express age on recapture of birds which have been ringed in earlier years.

AGE, as concluded by the Scheme.

alphanumeric, one column (37)

Coding this field is the same as in the previous field.

NOTE.

The importance of this field is to confirm if the Scheme considers the age, given by the person who handled the bird, is correct or not. Don't calculate the age: on a recapture it's not a 5 calendar-year because you know the bird was ringed as a pullus.

STATUS

alphabetic, one column (38)

Status of full grown bird:

- bird not full grown (one 'hyphen')
- U **U**nknown or unrecorded.
- N **N**esting or Breeding.
- R **R**oosting assemblage.
- K In Colony (not necessarily breeding but not pullus).
- M **M**oulting assemblage (whether bird moulting or not).
- T **M**oul**T**ing.
- L Apparently a **L**ocal bird, but not breeding.
- W Apparently a bird **W**intering in the locality.
- P On **P**assage - certainly not a local breeding nor wintering bird (includes birds attracted to lighthouses).
- S At **S**ea - birds on boats, lightships or oil rigs.

NOTE.

Do code U (unknown or unrecorded) unless you are 100% sure about the status. Don't make conclusions based on "I do come here often and the birds always behave in that way".

BROODSIZE *only for records of nestlings*

alphanumeric, two columns (39 - 4Ø)

- bird is not a nestling (twice a 'hyphen')
- ØØ unknown, not coded.
- Ø1 1 chick in the nest.
- Ø2 2 chicks in the nest.
- 12 12 chicks in the nest.

more than 50 means chicks in a mixed brood.

65 15 (=65-50) chicks in the nest from definitely more than one female.

68 18 (=68-50) chicks in the nest from definitely more than one female.

99 chicks present but exact number in brood unknown.

Warning.

The biologically important information is the number of young alive at the time of ringing, and it must be emphasised to the ringers working in the field that it is this information that is required and NOT the number of young from the brood which happen to have been ringed.

PULLUS AGE

alphanumeric, two columns (41 - 42)

-- bird is not a pullus (twice a 'hyphen')
99 pullus age not recorded

ØØ pullus age Ø days.
Ø1 pullus age 1 day.
Ø6 pullus age 6 days.
13 pullus age 13 days.
44 pullus age 44 days.

For accuracy of pullus age see the next column.

ACCURACY of PULLUS AGE

alphanumeric, one column (43)

- bird is not a pullus (a 'hyphen').

- Ø accurate to the day.
- 1 accurate to within 1 day either side of day coded.
- 2 accurate to within 2 days either side of day coded.
- 3 accurate to within 3 days either side of day coded.
- 4 accurate to within 4 days either side of day coded.
- 5 accurate to within 5 days either side of day coded.
- 6 accurate to within 6 days either side of day coded.
- 7 accurate to within 7 days either side of day coded.
- 8 accurate to within 8 days either side of day coded.
- 9 accurate to within 9 days either side of day coded.

- U unrecorded / not known

DATE

numeric, eight columns (44 - 51)

The date in days, months and years to be coded as follows:

		ddmmyyyy
1 st	January 1977	01011977
5 st	September 2013	05092013
17 th	June 1949	17061949
30 th	March 1965	30031965
15 th	October 1923	15101923
29 th	August 1949	29081949
2 th	July 2008	02072008
30 th	December 1977	30121977
29 th	May 2002	29052002
9 th	November 1896	09111896
18 th	February 2102	18022102

NOTE.

Any inaccuracy of date is indicated by the contents of the column concerning accuracy of date. An estimated real date should always be entered in these eight columns.

Do **not** code: --021999 when the day in February 1999 is not known, in that case code 15021999 and accuracy of date = '4'.

ACCURACY of DATE

numeric, one column (52)

- Ø Accurate to the day.
- 1 Accurate to within 1 day either side of date coded.
- 2 Accurate to within 3 days either side of date coded.
- 3 Accurate to within 1 week either side of date coded.
- 4 Accurate to within 2 weeks either side of date coded.
- 5 Accurate to within 6 weeks either side of date coded.
- 6 Accurate to within 3 months either side of date coded.
- 7 Accurate to within 6 months either side of date coded.
- 8 Accurate to within some years only.*
- 9 Date of issue of ring or other earliest possible use of ring (only for record no.1 = old fashioned ringing details) **or**,
date of recovery report (either on letter or postmark) **or**,
date of finding coded, but bird long dead, found mummified, ring in owl pellet, hunters collection etc. (may be used even if ringing date within the previous 6 months).

* Code inaccuracy 8 when time of year given but actual year in doubt: e.g. 'Found over Christmas either 1974 or 1975' should be coded 8 in this column and 25 12 1974 as date, rather than 7 in this column and 25 Ø6 1975.

Note that codes 2-8 should be used to indicate lack of accuracy in the reporting letter - e.g. 'I found this bird about three weeks ago' and NEVER because of the finders estimate - e.g. 'it looked as though it had been dead for about three weeks'.

Exact coding of inaccurate dates will depend on exactly what is said by the finder and whether the date to be coded is recent or not. For example 'End of September' might be 27.9 accuracy 2 if the letter was received early in October but 25.9 accuracy 3 if it was written in December.

TIME

alphabetic and numeric, four columns (53 - 56)

The actual time of the day in hours and minutes, according to a **24 hour clock** in **local time**:
0000, 0948, 1556, 2359 etc.

When you analyse data be aware of summer- and wintertime in some countries.

When not coded or unknown: ----

When only the hour of the day is known:

Time	Code	Time	Code	Time	Code
0000-0059	00--	0800-0859	08--	1600-1659	16--
0100-0159	01--	0900-0959	09--	1700-1759	17--
0200-0259	02--	1000-1059	10--	1800-1859	18--
0300-0359	03--	1100-1159	11--	1900-1959	19--
0400-0459	04--	1200-1259	12--	2000-2059	20--
0500-0559	05--	1300-1359	13--	2100-2159	21--
0600-0659	06--	1400-1459	14--	2200-2259	22--
0700-0759	07--	1500-1559	15--	2300-2359	23--

PLACE CODE

four columns (57 - 60), two alphabetic (57 - 58), two alphanumeric (59 - 60)

The purpose of the Place Code is solely to identify particular geographical areas in terms of current administrative regions. No political statements are implied by any of these codes.

FIRST PAIR OF CHARACTERS identifying the country.

SECOND PAIR OF CHARACTERS identifying the sub-division of the country.

These are either alphabetic or numeric. Numeric codes follow the established final two digits of the original code in almost all cases.

When possible all spellings of the names of countries and provinces refer to *"The Times Comprehensive Atlas of the World. Tenth edition 1999, reprint with changes 2000. Times Books, 77-85 Fulham Place Road, London W6 8JB, ISBN 0-7230-0792-6"*, in this publication always referred as "the Times Atlas". All boundaries are also taken from this atlas, unless otherwise noted.

Coding <alphabetic><alphabetic><zero><zero> in column 57-60 means either that there are no subdivisions in this country, or else a specific subdivision named in the code.

Coding <alphabetic><alphabetic><-><-> in column 57-60 means there are subdivisions in this country.

When the area within a country with subdivisions is not known, e.g. bird reported in "The Netherlands", then "--" should be coded in the third and fourth column, NOT "00" as this could mean a specific part of the country concerned.

NUMERIC EQUIVALENTS and old place codes.

Numeric equivalents are not given in this code. Old (numeric) place codes can be found in the *'EURING Code Manual'* (1966) and in the *'Code Manual New EURING'* (1979). Both are available on the EURING website (www.euring.org).

INTERNET GAZETTEERS.

There are internet sites where you can search for geographical names and their coordinates. An old-fashioned word is "gazetteers". A few of those sites are given here, but please remember: websites are like birds, they come and go unexpectedly.

UPDATING THE FIELD PLACE CODE.

Whenever you can't find a country code in this list please contact g.speek@nioo.knaw.nl

COUNTRIES in alphabetic order.

Ø= the number zero;
O= the alphabetic character o.

Aden AIØØ
Afghanistan GNØØ
Albania ABØØ
Algeria AG--
Andorra EKØØ *
Andorra EK23 *
Angola ALØØ
Antarctica ANØØ
Antilles Lesser LAØØ
Arctic Ocean -AØØ
Arctic Ocean (islands) +AØØ
Argentina BJØØ
Armenia AEØØ
Australia AA--
Austria AU--
Azerbaijan AK--
Azores +HAZ
Bahamas TJØØ
Bahrain & Qatar AZØØ
Baltic Sea -EØØ
Baltic Sea (islands) +EØØ
Bangladesh RNØØ
Bear Island +ABI
Belarus BY--
Belgium BL--
Belize CABA
Benin (formerly Dahomey) XYØØ
Bermuda +HBE
Bhutan QAØØ
Bioco (formerly Fernando Poo) YHØØ
Biscay, Bay of -DØØ
Biscay, Bay of (islands) +DØØ
Black Sea -GØØ
Black Sea (islands) +GØØ
Bolivia SABA
Borneo Island OVØØ
Bosnia and Herzegovina BHØØ
Botswana WGØØ
Brazil BAØØ
British Indian Ocean Territories IOØØ
Bulgaria BG--
Burkina (formerly Upper Volta) VUØØ
Burma see Myanmar
Burundi PXØØ
Cambodia FNCA
Cameroon QQØØ
Canada EA--
Cape Verde Islands +HCV
Caspian Sea -GØØ
Caspian Sea (islands) +GØØ
Central African Republic QHØØ
Central America CA—
Central America CAØØ
Ceuta DAØØ
Chad FTØØ
Channel Islands see UK
Chile KAØØ
China CP--
Colombia SACA
Comoros KMØØ
Congo (Congo Brazzaville) YYØØ
Costa Rica CACA
Côte d'Ivoire PYØØ
Croatia HR--
Cuba CJCA

Cyprus CYØØ
Czech Republic CZ--
Dahomey see Benin
Dem. Rep. of Congo (Zaire) ZIØØ
Denmark DK--
Djibouti EYØØ
Dominican Republic LJDA
Ecuador SAEA
Egypt EGØØ
Eire see Ireland
El Salvador CAEA
England see UK
English Channel -CØØ
English Channel (islands) +CØØ
Equatorial Guinea YQØØ
Eritrea EVØØ
Estonia ETØØ
Ethiopia EQØØ
Falkland Islands FKØØ
Faroe Islands see Denmark
Fernando Poo see Bioco
Finland SF--
France FR--
French Guiana GFØØ
French Southern Territories (Crozet Islands, Kerguelen, St. Paul, Amsterdam Island) TFØØ
Gabon QYØØ
Gaza Strip GSØØ
Gambia, The VMØØ
Georgia GE--
Germany DE--
Ghana GHØØ
Gibraltar see UK
Great Britain see UK
Greece GR--
Greenland see Denmark
Guatemala CAGA
Guinea Bissau GQØØ
Guinea GYØØ
Guinea Islands HHØØ
Guyana SAGA
Haiti LJHA
Honduras CAHA
Hong Kong CGØØ
Hrvatska see Croatia
Hungary HG--
Iceland IS--
India IN--
Indian Ocean -JØØ
Indian Ocean (islands) +JØØ
Indonesia ONØØ
Iran IPØØ
Iraq IQØØ
Ireland ER--
Irish Sea -CØØ
Irish Sea (islands) +CØØ
Israel ILØØ
Italy IA--
Ivory Coast see Côte d'Ivoire
Jamaica CJJA
Jan Mayen +AJM
Japan JHØØ
Jordan JOØØ
Kazakhstan KZ--
Kenya GPØØ
Korea North TPØØ
Korea South TXØØ
Kuwait JIØØ

Kyrgyzstan KI--
Laos FNLA
Latvia LVØØ
Lebanon LEØØ
Lesotho FGØØ
Liberia PQØØ
Libya LTØØ
Liechtenstein AMØØ
Lithuania LIØØ
Luxembourg KNØØ *
Luxembourg KN29 *
Macedonia MKØØ
Madagascar MGØØ
Malawi MYØØ
Malaysia FVMA
Maldives MVØØ
Mali EMØØ
Malta MLØØ
Mauritania NMØØ
Mauritius (incl. Rodrigues Island) MUØØ
Mayotte YTØØ
Mediterranean -FØØ
Mediterranean (islands) +FØØ
Melilla MJØØ
Mexico TAØØ
Moldova MDØØ
Monaco WR8Ø
Mongolia MNØØ
Montenegro MEØØ
Morocco MAØØ
Mozambique MQØØ
Myanmar FEØØ
Namibia FMØØ
Nepal HJØØ
Netherlands NL--
New Caledonia NCØØ
New Guinea WEØØ
New Zealand AJ--
Nicaragua CANA
Niger NEØØ
Nigeria NVØØ
North Atlantic Ocean -HØØ
North Atlantic Ocean (islands) +HØØ
North Korea TPØØ
North Sea -BØØ
North Sea (islands) +BØØ
Northern Ireland see UK
Norway NO--
Oman OMØØ
Other Oceans -IØØ
Other Oceans (islands) +IØØ
Pakistan PNØØ
Panama CAPA
Paraguay SAPA
Peru KJØØ
Philippines OEØØ
Poland PL--
Portugal PO--
Puerto Rico LJPA
Reunion REØØ
Rio de Oro see Western Sahara
Romania RO--
Russian Federation RU--
Rwanda PPØØ
San Marino ZA33
Saudi Arabia ARØØ
Scotland see UK
Serbia, Republic of RS--
Seychelles SCØØ

Senegal NU00
Sierra Leone PH00
Sikkim QJ00
Singapore FVSA
Slovakia SK--
Slovenia SL00
Socotra see Suqutra
Somalia YS00
South Africa FP--
South Korea TX00
Spain ES--
Spanish W. Africa see Western Sahara
Sri Lanka ZE00
Sudan SS00
Suqutra YB00
Suriname SR00
Svalbard +ASV
Swaziland WP00
Sweden SV--
Switzerland HE--
Syria SY00
Taiwan CX00
Tajikistan TD--
Tanzania HT00
Tchad see Chad
Thailand FNTA
Tibet see China HA00
Togo XH00
Tunisia TO00
Turkey TU00
Turkmenistan TM--
Uganda GG00
UK GB--
Ukraine UK--
United Arab Emirates JR00
Upper Volta, Haute Volta see Burkina
Uruguay SAUA
USA NA--
Uzbekistan UZ--
Vatican City see Italy
Venezuela SJ00
Vietnam FNVA
Wales see UK
West Bank WB00
Western Sahara ND00
Yemen JZ00
Yugoslavia YU--
Zaire see Democratic Republic of
Congo
Zambia ZM00
Zanzibar & Pemba QC00
Zimbabwe WS00

* see below: "all countries, in alphabetic
order"

TWO LETTER PLACE CODEin **alphabetic order**.

Ø= the number zero;

O= the alphabetic character o.

-AØØ Arctic Ocean
 -BØØ North Sea
 -CØØ English Channel and Irish Sea
 -DØØ Bay of Biscay
 -EØØ Baltic Sea
 -FØØ Mediterranean Sea
 -GØØ Black and Caspian Seas
 -HØØ North Atlantic Ocean
 -IØØ Other Oceans
 -JØØ Indian Ocean
 +ABI Bear Island
 +AJM Jan Mayen
 +AØØ islands in Arctic Ocean
 +ASV Svalbard
 +BØØ islands in North Sea
 +CØØ islands in Engl. Ch. + Irish Sea
 +DØØ islands in Bay of Biscay
 +EØØ islands in Baltic Sea
 +FØØ islands in Mediterranean
 +GØØ islands in Bl. + Caspian Seas
 +HAZ Azores
 +HBE Bermuda
 +HCV Cape Verde Islands
 +HØØ islands in North Atlantic Ocean
 +IØØ islands in Other Oceans
 +JØØ islands in Indian Ocean
 AA-- Australia
 ABØØ Albania
 AEØØ Armenia
 AG-- Algeria
 AIØØ Aden
 AJ-- New Zealand
 AK-- Azerbaijan
 ALØØ Angola
 AMØØ Liechtenstein
 ANØØ Antarctica
 ARØØ Saudi Arabia
 AU-- Austria
 AZØØ Bahrain & Qatar
 BAØØ Brazil
 BG-- Bulgaria
 BHØØ Bosnia and Herzegovina
 BJØØ Argentina
 BL-- Belgium
 BY-- Belarus
 CA-- Central America
 CAØØ Central America
 CGØØ Hong Kong
 CI-- Channel Islands
 CJ-- Cuba/Jamaica
 CJCA Cuba
 CJJA Jamaica
 CP-- China
 CXØØ Taiwan
 CYØØ Cyprus
 CZ-- Czech Republic
 DAØØ Ceuta
 DE-- Germany
 DK-- Denmark
 EA-- Canada
 EGØØ Egypt
 EKØØ Andorra *
 EK23 Andorra *

EMØØ Mali
 EQØØ Ethiopia
 ER-- Ireland
 ES-- Spain
 ETØØ Estonia
 EVØØ Eritrea
 EYØØ Djibouti
 FA-- Faroe Islands
 FEØØ Myanmar
 FGØØ Lesotho
 FKØØ Falkland Islands
 FMØØ Namibia
 FN-- S.E.Asia
 FP-- Republic of South Africa
 FR-- France
 FTØØ Chad
 FV-- Malaysia/Singapore
 GB-- UK
 GD-- Greenland
 GE-- Georgia
 GFØØ French Guiana
 GGØØ Uganda
 GHØØ Ghana
 GNØØ Afghanistan
 GPØØ Kenya
 GQØØ Guinea Bissau
 GR-- Greece
 GSØØ Gaza Strip
 GYØØ Guinea
 HAØØ Tibet (see China)
 HE-- Switzerland
 HG-- Hungary
 HHØØ Guinea Islands
 HJØØ Nepal
 HR-- Croatia
 HTØØ Tanzania
 IA-- Italy
 ILØØ Israel
 IN-- India
 IOØØ British Indian Ocean Territories
 IPØØ Iran
 IQØØ Iraq
 IS-- Iceland
 JHØØ Japan
 JIØØ Kuwait
 JOØØ Jordan
 JRØØ United Arab Emirates
 JZØØ Yemen
 KAØØ Chile
 KI-- Kyrgyzstan
 KJØØ Peru
 KMØØ Comoros
 KNØØ Luxembourg *
 KN29 Luxembourg *
 KZ-- Kazakhstan
 LAØØ Lesser Antilles
 LEØØ Lebanon
 LIØØ Lithuania
 LJ-- Caribbean
 LTØØ Libya
 LVØØ Latvia
 MAØØ Morocco
 MDØØ Moldova
 MEØØ Montenegro
 MGØØ Madagascar
 MJØØ Meilla
 MKØØ Macedonia
 MLØØ Malta
 MNØØ Mongolia

MQØØ Mozambique
 MUØØ Mauritius (incl. Rodrigues Isl.)
 MVØØ Maldives
 MYØØ Malawi
 NA-- United States of America
 NBØØ Gibraltar
 NB6Ø Gibraltar
 NCØØ New Caledonia
 NDØØ Western Sahara
 NEØØ Niger
 NL-- The Netherlands
 NMØØ Mauritania
 NO-- Norway
 NUØØ Senegal
 NVØØ Nigeria
 OEØØ Philippines
 OMØØ Oman
 ONØØ Indonesia
 OVØØ Borneo Islands
 PHØØ Sierra Leone
 PIØØ Pacific Islands
 PL-- Poland
 PNØØ Pakistan
 PO-- Portugal
 PPØØ Rwanda
 PQØØ Liberia
 PXØØ Burundi
 PYØØ Côte d'Ivoire
 QAØØ Bhutan
 QCØØ Zanzibar & Pemba
 QHØØ Central African Republic
 QJØØ Sikkim
 QQØØ Cameroon
 QYØØ Gabon
 RA48 Vatican City
 REØØ Reunion
 RNØØ Bangladesh
 RO-- Romania
 RS-- Republic of Serbia
 RU-- Russian Federation
 SA-- South America
 SCØØ Seychelles
 SF-- Finland
 SJØØ Venezuela
 SK-- Slovakia
 SLØØ Slovenia
 SRØØ Suriname
 SSØØ Sudan
 SV-- Sweden
 SYØØ Syria
 TAØØ Mexico
 TD-- Tajikistan
 TFØØ French Southern Territories
 (Crozet Islands, Kerguelen, St. Paul,
 Amsterdam Island)
 TJØØ Bahamas
 TM-- Turkmenistan
 TOØØ Tunisia
 TPØØ North Korea
 TUØØ Turkey
 TXØØ South Korea
 UK-- Ukraine
 UZ-- Uzbekistan
 VAØØ Alaska
 VMØØ Gambia, The
 VUØØ Burkina (formerly Upper Volta)
 WBØØ West Bank
 WEØØ Papua New Guinea
 WGØØ Botswana

WP00 Swaziland
WR80 Monaco
WS00 Rhodesia (Zimbabwe)
XH00 Togo
XY00 Benin (formerly Dahomey)
YB00 Suqutra
YH00 Bioco (formerly Fernando Poo)
YQ00 Equatorial Guinea
YS00 Somalia
YT00 Mayotte
YU-- Yugoslavia
YY00 Congo (Congo Brazzaville)
ZA33 San Marino
ZE00 Sri Lanka
ZI00 Dem. Rep. of Congo (Zaire)
ZM00 Zambia

* see below: "all countries, in alphabetic order"

ALL COUNTRIES, in alphabetic order.

Ø = the number zero;

O = the alphabetic character as in “Oslo”.

Exceptions: there are a few names of place-codes in Danmark and Norway with the character Ø.

NOTE:

When a place code has been changed, the ‘Code Manual New EURING’ (1979) is added between brackets.

Example: BY25 (SU25) Minsk O.

Aden AIØØ

Afghanistan GNØØ

Albania ABØØ

ALGERIA

AG-- *Algeria*

AGAL Alger

AGOR Oran

AGCO Constantine

AGTS Other provinces

Andorra EKØØ

For reasons unknown until now (August 2002) Andorra was also coded as EK23 (see ‘Code Manual New Euring’ (1979) page 32 (EK23) and page 54 (EKØØ). It’s not wise to delete one of those two because probably both has been used. Similar to other country-coding it’s sensible to use only EKØØ.

Angola ALØØ

Antarctica ANØØ

Antilles, Lesser LAØØ

Argentina BJØØ

Armenia AEØØ

AUSTRALIA

AA-- *Australia*

AANS New South Wales

AASA South Australia

AATA Tasmania

AANT Northern Territory

AAVI Victoria

AAQU Queensland

AAWA Western Australia

AUSTRIA

AU--	Austria (provinces)	AUØ4	Salzburg
AUØØ	Burgenland	AUØ5	Steiermark
AUØ1	Kärnten	AUØ6	Tirol
AUØ2	Niederösterreich	AUØ7	Vorarlberg
AUØ3	Oberösterreich	AUØ8	Wien

AZERBAIJAN

AK--	(SU92) Azerbaijan
AKØ1	(SU92) Nagornyy Karabakh (Daliq Qarabag)

Azores see Portugal

Bahamas TJØØ

Bahrain & Qatar AZØØ

Bangladesh RNØØ

BELARUS

BY--	(SU2-) Belarus		
BY22	(SU22) Gomel O.	BY26	(SU26) Mogilev O.
BY2Ø	(SU2Ø) Brest O.	BY28	(SU28) Vitebsk O.
BY23	(SU23) Grodno O.	BY25	(SU25) Minsk O.

BELGIUM

BL--	Belgium (provinces)	BL24	Liège
BL2Ø	Antwerpen	BL25	Luxembourg
BL21	Brabant	BL26	Namur
BL22	Hainaut	BL27	Oost-Vlaanderen
BL23	Limburg	BL28	West-Vlaanderen

Belize CABA

Benin XYØØ (formerly Dahomey XQØØ)

Bhutan QAØØ

Bioco YHØØ

Bolivia SABA

Borneo Island OVØØ

Bosnia and Herzegovina BHØØ

Botswana WGØØ

Brazil BAØØ

British Indian Ocean Territories IOØØ

BULGARIA

From 1959-1987 and since 1998 the subdivision is:

BG-- Bulgaria

BGØ1 Blagoevgrad	BG18 Ruse
BGØ2 Burgas	BG27 Shumen
BGØ8 Dobrich	BG19 Silistra
BGØ7 Gabrovo	BG2Ø Sliven
BG26 Haskovo	BG21 Smolyan
BGØ9 Kurdzhali	BG23 Sofia City
BG1Ø Kyustendil	BG22 Sofia Province
BG11 Lovech	BG24 Stara Zagora
BG12 Montana	BG25 Turgovishte
BG13 Pazardzhik	BGØ3 Varna
BG14 Pernik	BGØ4 Veliko Turnovo
BG15 Pleven	BGØ5 Vidin
BG16 Plovdiv	BGØ6 Vratsa
BG17 Razgrad	BG28 Yambol

Source: Sofia Scheme and http://en.wikipedia.org/wiki/ISO_3166-2:BG

In the EuringCode 1979 this subdivisions are mentioned:

BG-- Bulgaria (provinces)

BG7Ø Blagoevgrad	BG76 Sofiya
Burgas BG8Ø	Stalin (Varna) BG81
BG71 Khaskovo	BG77 Stara Zagora
BG72 Kolarovgrad (Shumen)	BG78 Turnovo
BG73 Pleven	BG79 Vratsa
BG74 Plovdiv	BG8Ø Burgas } <i>Black Sea provinces</i>
BG75 Ruse	BG81 Stalin } <i>Black Sea provinces</i>

Burkina (formerly Upper Volta, Haute Volta) VUØØ

Burma see **Myanmar**

Burundi PXØØ

Cambodia FNCA

Cameroon QQØØ

CANADA

EA-- Canada	EANW North West Territories
EAAL Alberta	EANS Nova Scotia
EABC British Columbia	EAON Ontario
EALA Labrador	EAPE Prince Edward Island
EAMA Manitoba	EAQU Quebec

EANB New Brunswick
EANF Newfoundland

EASA Saskatchewan

Canary Islands see Spain

Central African Republic QH000

CENTRAL AMERICA

There is more than one point of view about which countries geographically and politically belong to 'Central America'. But this collective is present in the EuringCode 1979, so the countries mentioned within this collective should be mentioned:

CA000 **Central America** (coding used before, but this coding is not the right one)

CA-- **Central America** (preferable coding according to EuringCode 2000)

CABA Belize
CACA Costa Rica
CAEA El Salvador
CAGA Guatemala
CAHA Honduras
CANA Nicaragua
CAPA Panama

Ceuta DA000

Chad FT000

Channal Isles see UK

Chile KA000

CHINA

CHINESE STATES: the names of the Chinese states, autonomous regions (marked A.R. on the list) and municipalities are given in two forms below. The old form is that which will be found on maps (e.g. Times Atlas) but the new form is the one recently agreed as the standard transliteration from the Chinese names.

CP-- **China**

	Old Form	New Form
CPAN	Anhwei	Anhui
CPCH	Chekiang	Zhejiang
CPTS	Chinghai (or Tsinghai)	Qinghai
CPFU	Fukien	Fujian
CPHK	Heilungkiang	Heilongjiang
CPHO	Honan	Henan

CPHP	Hopei (or Hopeh)	Hebei
CPHU	Hunan	Hunan
CPHI	Hupei (or Hupeh)	Hubei
CPIM	Inner Mongolia (AR)	Nei Mongol (AR)
CPKA	Kansu	Gansu
CPKI	Kiangsi	Jiangxi
CPKU	Kiangsu	Jiangsu
CPKR	Kirin	Jilin
CPKS	Kwangsi (Chuang AR)	Guangxi (Zhuang AR)
CPKG	Kwangtung	Guangdong
CPKW	Kweichow	Guizhou
CPLI	Liaoning	Liaoning
CPNH	Ningshia (Hui AR)	Ningxia (Hui AR)
CPPK	Peking (Municipality)	Beijing
CPSH	Shanghai (Municipality)	Shanghai
CPSA	Shansi	Shanxi
CPSG	Shantung	Shandong
CPSI	Shensi	Shaanxi
CPSK	Sinkiang (Uighur AR)	Xinjiang Uygur (AR)
CPSZ	Szechuan	Sichuan
CPTT	Tientsin (Municipality)	Tianjin
CPYU	Yunnan	Yunnan
HAØØ	Tibet	Tibet

Colombia SACA

Comoros KMØØ

Congo (formerly Congo Brazzaville) YYØØ

Costa Rica CACA

Côte d'Ivoire PYØØ

CROATIA

Previously part of the former Yugoslavia. The new place codes cannot be compared with the old place codes of Yugoslavia.

HR-- Croatia

HRØ1 Central Croatia

HRØ2 Eastern Croatia

HRØ3 Mountain Croatia

HRØ4 Northern Croatian Coast

HRØ5 Southern Croatian Coast

According to a map taken from the book:

Crkvencic, I. et al (1974): Geografija SR Hrvatske, Book 1, Skolska, Zagreb.

Still to do: fuller reference

Cuba CJCA

Cyprus CYØØ

CZECH REPUBLIC

Due to recent changes (on January 1, 2003) in regional systems the Czech Scheme uses the following coding system:

CZ-- Czech Republic

CZ10 Jihočeský
CZ11 Královéhradecký
CZ12 Vysočina
CZ13 Karlovarský
CZ14 Liberecký
CZ15 Pardubický
CZ16 Plzeňský
CZ17 Středočeský a Praha
CZ18 Ústecký
CZ22 Jihomoravský
CZ23 Zlínský
CZ26 Olomoucký
CZ27 Moravskoslezský

In 2001 and 2002 the Czech Republic uses this system of place coding:

(For older place code: see below)

Sorted on Code

CZ-- Czech Republic
CZAA Praha
CZBE Beroun
CZBK Blansko
CZBM Brno-mesto
CZBN Benesova
CZBO Brno-venko
CZBR Bruntal
CZBV Breclav
CZCB Ceske Budejovice
CZCH Cheb
CZCK CeskyKrumlov
CZCL CeskaLipa
CZCR Chrudim
CZCV Chomutov
CZDC Decin
CZDO Domazlice
CZFM Frydek Mistek
CZHB Havlickuv Brod
CZHK Hradec Kralove
CZHO Hodonin
CZJC Jicin
CZJE Jesenik
CZJH Jindrichuv Hradec
CZJI Jihlava

Sorted on District

CZ-- Czech Republic
CZBN Benesova
CZBE Beroun
CZBK Blansko
CZBV Breclav
CZBM Brno-mesto
CZBO Brno-venko
CZBR Bruntal
CZCL Ceska Lipa
CZCB Ceske Budejovice
CZCK Cesky Krumlov
CZCH Cheb
CZCV Chomutov
CZCR Chrudim
CZDC Decin
CZDO Domazlice
CZFM Frydek Mistek
CZHB Havlickuv Brod
CZHO Hodonin
CZHK Hradec Kralove
CZJN Jablonec nad Nisou
CZJE Jesenik
CZJC Jicin
CZJI Jihlava
CZJH Jindrichuv Hradec

CZJN	Jablonec nad Nisou	CZKV	Karlovy Vary
CZKA	Karvina	CZKA	Karvina
CZKH	Kutna Hora	CZKL	Kladno
CZKL	Kladno	CZKT	Klatovy
CZKM	Kromeriz	CZKO	Kolin
CZKO	Kolin	CZKM	Kromeriz
CZKT	Klatovy	CZKH	Kutna Hora
CZKV	Karlovy Vary	CZLI	Liberec
CZLI	Liberec	CZLT	Litomerice
CZLN	Louny	CZLN	Louny
CZLT	Litomerice	CZME	Melnik
CZMB	Mlada Boleslav	CZMB	Mlada Boleslav
CZME	Melnik	CZMO	Most
CZMO	Most	CZNA	Nachod
CZNA	Nachod	CZNJ	Novy Jicin
CZNB	Nymburk	CZNB	Nymburk
CZNJ	Novy Jicin	CZOL	Olomouc
CZOL	Olomouc	CZOP	Opava
CZOP	Opava	CZOS	Ostrava
CZOS	Ostrava	CZPA	Pardubice
CZPA	Pardubice	CZPE	Pelhromov
CZPB	Pribram	CZPI	Pisek
CZPE	Pelhromov	CZPJ	Plzen-jih
CZPH	Praha-vychod	CZPM	Plzen-mesto
CZPI	Pisek	CZPS	Plzen-sever
CZPJ	Plzen-jih	CZPT	Prachatice
CZPM	Plzen-mesto	CZAA	Praha
CZPR	Prerov	CZPH	Praha-vychod
CZPS	Plzen-sever	CZPZ	Praha-zapad
CZPT	Prachatice	CZPR	Prerov
CZPV	Prostejov	CZPB	Pribram
CZPZ	Praha-zapad	CZPV	Prostejov
CZRA	Rakovnik	CZRA	Rakovnik
CZRK	Rychnov nad Kneznou	CZRO	Rokycany
CZRO	Rokycany	CZRK	Rychnov nad Kneznou
CZSM	Semily	CZSM	Semily
CZSO	Sokolov	CZSO	Sokolov
CZST	Strakonice	CZST	Strakonice
CZSU	Sumperk	CZSU	Sumperk
CZSY	Svitavy	CZSY	Svitavy
CZTA	Tabor	CZTA	Tabor
CZTC	Tachov	CZTC	Tachov
CZTP	Teplice	CZTP	Teplice
CZTR	Trebic	CZTR	Trebic
CZTU	Trutnov	CZTU	Trutnov
CZUH	Uherske Hradiste	CZUH	Uherske Hradiste
CZUL	Usti nad Labem	CZUL	Usti nad Labem
CZUO	Usti nad Orlici	CZUO	Usti nad Orlici
CZVS	Vsetin	CZVS	Vsetin
CZVY	Vyskov	CZVY	Vyskov
CZZL	Zlin	CZZR	Zdar nad Sazavou
CZZN	Znojmo	CZZL	Zlin
CZZR	Zdar nad Sazavou	CZZN	Znojmo

Still to do: map reference

Before 2001 this system was valid:

CZ--	(CS--)	Czech Republic (regions)	CZ2-	(CS2-)	Moravia
CZ1-	(CS1-)	Bohemia	CZ22	(CS22)	Brno (Brünn)
CZ10	(CS10)	Ceské Budejovice	CZ23	(CS23)	Gottwaldov
CZ11	(CS11)	Hradec Kralove	CZ26	(CS26)	Olomouc
CZ12	(CS12)	Jihlava	CZ27	(CS27)	Ostrava
CZ13	(CS13)	Karlovy Vary			
CZ14	(CS14)	Liberec			
CZ15	(CS15)	Pardubice			
CZ16	(CS16)	Plzen (Pilsen)			
CZ17	(CS17)	Praha			

Dahomey (XQØØ) see Benin
Democratic Republic of Congo Z1ØØ

DENMARK

Bounderies from the map:

Danmark. Amter – kommuner – sogne. Kort-Og Matrikelstyrelsen. 1992.

DK-- Denmark

Untill January 01, 2007

Old (= 'Code Manual New EURING' (1979))

DK15	København	DKØ6
DK2Ø	Frederiksborg	DKØ6
DK25	Roskilde	DKØ6
DK3Ø	Vestsjælland	DKØ6
DK35	Storstrøm	DKØ4 and DKØ6 SE of 55.20N-11.30E
DK4Ø	Bornholms	DK1Ø
DK42	Fyn	DKØ1
DK5Ø	Sønderjyllands	DKØ2 and DKØ7 S of 55.15N
DK55	Ribe	DKØ2 and DKØ7 N of 55.15N
DK6Ø	Vejle	DKØ2
DK65	Ringkøbing	DKØ2
DK7Ø	Århus	DKØ2 and DKØØ
DK76	Viborg	DKØ2
DK8Ø	Nordjyllands	DKØ2 and DKØ3

http://en.wikipedia.org/wiki/Counties_of_Denmark

Since January 01, 2007:

DKHS	HovedStaden
DKMJ	MidtJylland
DKNJ	NordJylland
DKSD	SydDanmark
DKSL	SjælLand

http://en.wikipedia.org/wiki/Regions_of_Denmark

FA-- Faroe Islands

FAØ1	Nordoyar
FAØ2	Eysturoya
FAØ3	Streymoy
FAØ4	Vága
FAØ5	Sandoy
FAØ6	Suduroy Nordari
FAØ7	Suduroy Sunnari

http://en.wikipedia.org/wiki/Regions_of_the_Faroe_Islands

GD-- Greenland

GD01 Qasigiannquit
GD03 Aasiaat
GD05 Paamiut
GD07 Qeqertarsuaq
GD09 Nuuk
GD11 Sisimiut
GD13 Ivittuut
GD15 Ilulissat
GD17 Qaqortoq
GD19 Kangaatsiaq
GD21 Nanortalik
GD23 Narsaq
GD25 Maniitsoq
GD27 Uummannaq
GD29 Upernavik
GD41 Avanersuq
GD51 Tasiilaq
GD53 Illoqqortoormiut
GD61 Kommunegarfiit avataanni

http://en.wikipedia.org/wiki/List_of_towns_in_Greenland

Djibouti EY00

Dominican Republic LJDA

Ecuador SAEA

Egypt EG00

Eire see Ireland

El Salvador CAEA

England see UK

Equatorial Guinea YQ00

Eritrea EV00

Estonia ET00

Ethiopia EQ00

Falkland Islands FK00

Faroe Islands see Denmark

Fernando Poo see Bioco

FINLAND

SF-- Finland (provinces)

Ahvenanmaa (Åland) SF90

SF80 Häme (Travastehus)

SF81 Kuopio

SF82 Kymi (Kymmen)

SF83 Lappi (Lappland)

SF84 Mikkeli (St. Michel)

SF85 Oulu (Uleåborg)

SF86 Turku-Pori (Åbo-Bjorneborg)

SF87 Uusimaa (Nyland)

SF88 Vaasa (Vasa)

SF90 Ahvenanmaa (Åland)

FRANCE

Official French code for administrative divisions in brackets.

FR-- France

FRØ-	<i>France, north-west</i>	FR1-	<i>France, north east</i>
FRØ1	Calvados (14)	FR1Ø	Aisne (Ø2)
FRØ2	Eure (27)	FR11	Ardennes (Ø8)
FRØ3	Manche (5Ø)	FR12	Bas-Rhin (67)
FRØ4	Mayenne (53)	FR13	Haute-Marne (52)
FRØ5	Nord (59)	FR14	Haut-Rhin (68) & Territoire de Belfort (9Ø)
FRØ6	Orne (61)	FR15	Marne (51)
FRØ7	Pas-de-Calais (62)	FR16	Meurthe-et-Moselle (54)
FRØ8	Seine-Maritime (76)	FR17	Meuse (55)
FRØ9	Somme (8Ø)	FR18	Moselle (57)
		FR19	Vosges (88)
FR2-	<i>France, central north</i>		
FR2Ø	Aube (1Ø)		
FR21	Côte-d'Or (21)		
FR22	Eure-et-Loir (28)		
FR23	Loir-et-Cher (41)		
FR24	Loiret (45)		
FR25	Oise (6Ø)		
FR26	Sarthe (72)		
FR27	Seine-et-Marne (77)		
FR28	In the 'Code Manual New EURING' (1979) 'Seine-et-Oise' & 'Seine'. Now divided into Essonne (91), Val-d'oise (95), Yvelines (78) (ex Seine-et-Oise, ex Seine-Inférieure) and Hauts-de-Seine (92), Paris (75), Seine-Saint-Denis (93) (ex Seine)		
FR29	Yonne (89)		
FR3-	<i>France, Atlantic coast</i>		
FR3Ø	Pyrénées-Atlantiques (64) (ex Basses-Pyrénées)		
FR31	Charente-Maritime (17) (ex Charente-Inférieure)		
FR32	Côtes-d'Armor (22) (ex Côtes-du-Nord)		
FR33	Finistère (29)		
FR34	Gironde (33)		
FR35	Ille-et-Vilaine (35)		
FR36	Landes (4Ø)		
FR37	Loire-Atlantique (44) (ex Loire-Inférieure, ex Loire-Maritime)		
FR38	Morbihan (56)		
FR39	Vendée (85)		
FR4-	<i>France, central west</i>	FR5-	<i>France, central east</i>
FR4Ø	Charente (16)	FR5Ø	Allier (Ø3)

FR41	Corrèze (19)	FR51	Ardèche (Ø7)
FR42	Creuse (23)	FR52	Cantal (15)
FR43	Deux-Sèvres (79)	FR53	Cher (18)
FR44	Dordogne (24)	FR54	Haute-Loire (43)
FR45	Haute-Vienne (87)	FR55	Loire (42)
FR46	Indre (36)	FR56	Nièvre (58)
FR47	Indre-et-Loire (37)	FR57	Puy-de-Dôme (63)
FR48	Maine-et-Loire (49)	FR58	Rhône (69)
FR49	Vienne (86)	FR59	Saône-et-Loire (71)
FR6-	<i>France, east</i>	FR7-	<i>France, central south</i>
FR6Ø	Ain (Ø1)	FR7Ø	Ariège (Ø9)
FR61	Alpes-de-Haute-Provence (Ø4) (ex Basses-Alpes)	FR71	Aveyron (12)
FR62	Doubs (25)	FR72	Gers (32)
FR63	Drôme (26)	FR73	Haute-Garonne (31)
FR64	Hautes-Alpes (Ø5)	FR74	Hautes-Pyrénées (65)
FR65	Haute-Saône (7Ø)	FR75	Lot (46)
FR66	Haute-Savoie (74)	FR76	Lot-et-Garonne (47)
FR67	Isère (38)	FR77	Lozère (48)
FR68	Jura (39)	FR78	Tarn (81)
FR69	Savoie (73)	FR79	Tarn-et-Garonne (82)
FR8-	<i>France, Mediterranean</i>		
FR8Ø	Alpes-Maritimes (Ø6)		
FR81	Aude (11)		
FR82	Bouches-du-Rhône (13)		
FR9Ø	Corse (2Ø - now 2A and 2B -)		
FR83	Gard (3Ø)		
FR84	Hérault (34)		
FR85	Pyrénées-Orientales (66)		
FR86	Var (83)		
FR87	Vaucluse (84)		

ALPHABETICAL list of departments of France.

Official numeric French code for departments in first brackets, old or new administrative divisions in brackets

Ain (Ø1) FR6Ø
Aisne (Ø2) FR1Ø
Allier (Ø3) FR5Ø
Alpes, Basses- (Ø4) (now Alpes-de-Haute-Provence) FR61
Alpes, Hautes- (Ø5) FR64
Alpes-de-Haute-Provence (Ø4) (ex Basses-Alpes) FR61
Alpes-Maritimes (Ø6) FR8Ø
Ardèche (Ø7) FR51
Ardennes (Ø8) FR11
Ariège (Ø9) FR7Ø
Aube (1Ø) FR2Ø
Aude (11) FR81

Aveyron (12) FR71
 Bas-Rhin (67) FR12
 Basses-Alpes (Ø4) (now Alpes-de-Haute-Provence) FR61
 Basses-Pyrénées (64) (now Pyrénées-Atlantiques) FR3Ø
 Belfort, Territoire de (9Ø) FR14
 Bouches-du-Rhône (13) FR82
 Calvados (14) FRØ1
 Cantal (15) FR52
 Charente (16) FR4Ø
 Charente-Inférieure (17) (now Charente-Maritime) FR31
 Charente-Maritime (17) (ex Charente-Inférieure) FR31
 Cher (18) FR53
 Corrèze (19) FR41
 Corse (Corsica) (2Ø - now 2A and 2B -) FR9Ø
 Côte-d'Or (21) FR21
 Côtes-d'Armor (22) (ex Côtes-du-Nord) FR32
 Côtes-du-Nord (22) (now Côtes-d'Armor) FR32
 Creuse (23) FR42
 Deux-Sèvres (79) FR43
 Dordogne (24) FR44
 Doubs (25) FR62
 Drôme (26) FR63
 Essonne (91) (ex part of Seine-Inférieure, ex Seine-et-Oise) FR28
 Eure (27) FRØ2
 Eure-et-Loir (28) FR22
 Finistère (29) FR33
 Gard (3Ø) FR83
 Garonne, Haute- (31) FR73
 Gers (32) FR72
 Gironde (33) FR34
 Haute-Garonne (31) FR73
 Haute-Loire (43) FR54
 Haute-Marne (52) FR13
 Hautes-Alpes (Ø5) FR64
 Haute-Saône (7Ø) FR65
 Haute-Savoie (74) FR66
 Hautes-Pyrénées (65) FR74
 Haute-Vienne (87) FR45
 Haut-Rhin (68) FR14
 Hauts-de-Seine (92) (ex part of Seine) FR28
 Hérault (34) FR84
 Ille-et-Vilaine (35) FR35
 Indre (36) FR46
 Indre-et-Loire (37) FR47
 Isère (38) FR67
 Jura (39) FR68
 Landes (4Ø) FR36
 Loire (42) FR55
 Loire, Haute- (43) FR54
 Loire-Atlantique (44) (ex Loire-Inférieure, Loire-Maritime) FR37
 Loire-Inférieure (44) (now Loire-Atlantique) FR37
 Loire-Maritime (44) (now Loire-Atlantique) FR37
 Loiret (45) FR24
 Loir-et-Cher (41) FR23
 Lot (46) FR75

Lot-et-Garonne (47) FR76
Lozère (48) FR77
Maine-et-Loire (49) FR48
Manche (50) FR03
Marne (51) FR15
Marne, Haute- (52) FR13
Mayenne (53) FR04
Meurthe-et-Moselle (54) FR16
Meuse (55) FR17
Morbihan (56) FR38
Moselle (57) FR18
Nièvre (58) FR56
Nord (59) FR05
Oise (60) FR25
Orne (61) FR06
Paris (75) (ex part of Seine) FR28
Pas-de-Calais (62) FR07
Puy-de-Dôme (63) FR57
Pyrénées, Basses- (64) (now Pyrénées-Atlantiques) FR30
Pyrénées, Hautes- (65) FR74
Pyrénées-Atlantiques (64) (ex Basses-Pyrénées) FR30
Pyrénées-Orientales (66) FR85
Rhin, Bas- (67) FR12
Rhin, Haut- (68) FR14
Rhône (69) FR58
Saône, Haute- (70) FR65
Saône-et-Loire (71) FR59
Sarthe (72) FR26
Savoie (73) FR69
Savoie, Haute- (74) FR66
Seine (75) (now divided in Paris, Hauts-de-Seine, Seine-Saint-Denis) FR28
Seine, Hauts-de (92) (ex part of Seine) FR28
Seine-et-Marne (77) FR27
Seine-et-Oise (78) (ex Seine-Inférieure) (now divided in Yvelines, Essonne, Val d'Oise) FR28
Seine-Inférieure (78) (ex Seine-et-Oise) (now divided in Yvelines, Essonne, Val-d'Oise) FR00
Seine-Maritime (76) FR08
Seine-Saint-Denis (93) (ex part of Seine) FR28
Sèvres, Deux- (79) FR43
Somme (80) FR09
Tarn (81) FR78
Tarn-et-Garonne (82) FR79
Territoire de Belfort (90) FR14
Val-d'Oise (95) (ex part of Seine-Inférieure, ex Seine-et-Oise) FR28
Val-de-Marne (94) (ex part of Seine-et-Marne) FR27
Var (83) FR86
Vaucluse (84) FR87
Vendée (85) FR39
Vienne (86) FR49
Vienne, Haute- (87) FR45
Vosges (88) FR19
Yonne (89) FR29
Yvelines (78) (ex part of Seine-Inférieure, ex Seine-et-Oise) FR28.

NUMERICAL list of departments of France.

Old or new divisions in brackets.

Ø1 Ain FR6Ø
Ø2 Aisne FR1Ø
Ø3 Allier FR5Ø
Ø4 Alpes, Basses- (now Alpes-de-Haute-Provence) FR61
Ø4 Alpes-de-Haute-Provence (ex Basses-Alpes) FR61
Ø4 Basses-Alpes (now Alpes-de-Haute-Provence) FR61
Ø5 Hautes-Alpes FR64
Ø5 Hautes-Alpes FR64
Ø6 Alpes-Maritimes FR8Ø
Ø7 Ardèche FR51
Ø8 Ardennes FR11
Ø9 Ariège FR7Ø
1Ø Aube FR2Ø
11 Aude FR81
12 Aveyron FR71
13 Bouches-du-Rhône FR82
14 Calvados FRØ1
15 Cantal FR52
16 Charente FR4Ø
17 Charente-Inférieure (now Charente-Maritime) FR31
17 Charente-Maritime (ex Charente-Inférieure) FR31
18 Cher FR53
19 Corrèze FR41
2Ø Corse (Corsica) (now 2A and 2B -) FR9Ø
21 Côte-d'Or FR21
22 Côtes-d'Armor (ex Côtes-du-Nord) FR32
22 Côtes-du-Nord (now Côtes-d'Armor) FR32
23 Creuse FR42
24 Dordogne FR44
25 Doubs FR62
26 Drôme FR63
27 Eure FRØ2
28 Eure-et-Loir FR22
29 Finistère FR33
3Ø Gard FR83
31 Garonne, Haute- FR73
31 Haute-Garonne FR73
32 Gers FR72
33 Gironde FR34
34 Hérault FR84
35 Ille-et-Vilaine FR35
36 Indre FR46
37 Indre-et-Loire FR47
38 Isère FR67
39 Jura FR68
4Ø Landes FR36
41 Loir-et-Cher FR23
42 Loire FR55
43 Haute-Loire FR54
43 Loire,Haute- FR54
44 Loire-Atlantique (ex Loire-Inférieure, Loire-Maritime) FR37
44 Loire-Inférieure (now Loire-Atlantique) FR37
44 Loire-Maritime (now Loire-Atlantique) FR37

45 Loiret FR24
46 Lot FR75
47 Lot-et-Garonne FR76
48 Lozère FR77
49 Maine-et-Loire FR48
50 Manche FR03
51 Marne FR15
52 Haute-Marne FR13
52 Marne, Haute- FR13
53 Mayenne FR04
54 Meurthe-et-Moselle FR16
55 Meuse FR17
56 Morbihan FR38
57 Moselle FR18
58 Nièvre FR56
59 Nord FR05
60 Oise FR25
61 Orne FR06
62 Pas-de-Calais FR07
63 Puy-de-Dôme FR57
64 Basses-Pyrénées (now Pyrénées-Atlantiques) FR30
64 Pyrénées, Basses- (now Pyrénées-Atlantiques) FR30
64 Pyrénées-Atlantiques (ex Basses-Pyrénées) FR30
65 Hautes-Pyrénées FR74
65 Pyrénées, Hautes- FR74
66 Pyrénées-Orientales FR85
67 Bas-Rhin FR12
67 Rhin, Bas- FR12
68 Haut-Rhin FR14
68 Rhin, Haut- FR14
69 Rhône FR58
70 Haute-Saône FR65
70 Saône, Haute- FR65
71 Saône-et-Loire FR59
72 Sarthe FR26
73 Savoie FR69
74 Haute-Savoie FR66
74 Savoie, Haute- FR66
75 Paris (ex part of Seine) FR28
75 Seine (now divided in Paris, Hauts-de-Seine, Seine-Saint-Denis) FR28
76 Seine-Maritime FR08
77 Seine-et-Marne FR27
78 Seine-et-Oise (ex Seine-Inférieure) (now divided in Yvelines, Essonne, Val d'Oise) FR28
78 Seine-Inférieure (ex Seine-et-Oise) (now divided in Yvelines, Essonne, Val-d'Oise) FR08
78 Yvelines (ex part of Seine-Inférieure, ex Seine-et-Oise) FR28.
79 Deux-Sèvres FR43
79 Sèvres, Deux- FR43
80 Somme FR09
81 Tarn FR78
82 Tarn-et-Garonne FR79
83 Var FR86
84 Vaucluse FR87
85 Vendée FR39
86 Vienne FR49
87 Haute-Vienne FR45

87 Vienne, Haute- FR45
 88 Vosges FR19
 89 Yonne FR29
 90 Belfort, Territoire de FR14
 90 Territoire de Belfort FR14
 91 Essonne (ex part of Seine-Inférieure, ex Seine-et-Oise) FR28
 92 Hauts-de-Seine (ex part of Seine) FR28
 92 Seine, Hauts-de (ex part of Seine) FR28
 93 Seine-Saint-Denis (ex part of Seine) FR28
 94 Val-de-Marne (ex part of Seine-et-Marne) FR27
 95 Val-d'Oise (ex part of Seine-Inférieure, ex Seine-t-, ise) FR28

French Guiana GF00

French Southern Territories (Crozet Islands, Kerguelen, St. Paul, Amsterdam Island) TF00

Gabon QY00

Gambia, The VM00

Gaza Strip GS00

GEORGIA

GE-- (SU95) **Georgia**

GE01 (SU95) Adzharia (Ajaria)

GE02 (SU95) Yuzhnaya Osetia (South Ossetia)

GE03 (SU95) Abkhaziya (Abkhazia)

GERMANY

DE-- (DF--) **Germany**

DEA- (DFA-) *Bavaria **

DEAM (DFAM) Mittelfranken

DEAN (DFAN) Niederbayern

DEAB (DFAB) Oberbayern

DEAF (DFAF) Oberfranken

DEAP (DFAP) Oberpfalz

DEAS (DFAS) Schwaben

DEAU (DFAU) Unterfranken

DEB- (DFB-) *Baden-Württemberg*

DEBF (DFBF) Südbaden (Freiburg)

DEBK (DFBK) Nordbaden (Karlsruhe)

DEBS (DFBS) Nordwürttemberg (Stuttgart)

DEBT (DFBT) Südwürttemberg (Tübingen)

DEC- (DFC-) *Rheinland-Pfalz*

DECK (DFCK) Koblenz

DECR (DFCR) Rheinhessen-Pfalz

DECT	(DFCT)	Trier (<i>incl. Montabaur</i>)
DEDO	(DFDS)	Saarland
DEE-	(DFE-)	<i>Hessen *</i>
DEED	(DFED)	Darmstadt (<i>incl. Wiesbaden</i>)
DEEG	(DFEG)	Gießen
DEEK	(DFEK)	Kassel
DEF-	(DFF-)	<i>Nordrhein-Westfalen *</i>
DEFA	(DFFA)	Arnsberg
DEFD	(DFFD)	Düsseldorf
DEFK	(DFFK)	Köln (<i>incl. Aachen</i>)
DEFL	(DFFL)	Detmold (Lippe)
DEFM	(DFFM)	Münster
DEG-	(DFG-)	<i>Niedersachsen *</i>
DEGB	(DFGB)	Braunschweig
DEGH	(DFGH)	Hannover
DEGL	(DFGL)	Lüneburg except islands (<i>incl. Stade</i>)
DEGW	(DFGW)	Weser-Ems except islands (<i>Aurich, Oldenburg & Osnabrück</i>)
DEGF	(DFGF)	Ostfriesische Inseln (Eastfrisian Islands) including Mellum
DEGN	(DFGN)	Islands Neuwerk and Scharhörn
DEXB	(DFXB)	Bremen
DEHH	(DFHH)	Hamburg
DEQ-	(DFQ-)	<i>Schleswig-Holstein *</i>
DEQS	(DFQS)	Schleswig-Holstein except islands in the North Sea
DEQH	(DFQH)	Helgoland
DEQN	(DFQN)	Nordfriesische Inseln (Northfrisian Islands)
DEQT	(DFQT)	Island Trischen
DEBE	(DF63)	Berlin
DEMV		Mecklenburg - Vorpommern *
DEBB		Brandenburg *
DERA		<i>Sachsen Anhalt *</i>
DERH		Halle
DERM		Magdeburg
DERS		Dessau
DESN		<i>Sachsen *</i>
DESC		Chemnitz
DESD		Dresden

DESL Leipzig

DETH Thüringen

* The boundaries of the "Bezirke" are not given in the Times Atlas. To find these the following map is recommended; Verwaltungskarte von Deutschland 1:1.000.000. Edited by Reise- und Verkehrsverlag Stuttgart, 1994 or later.

Ghana GH00

Gibraltar see UK

Great Britain see UK

GREECE

N.B. The Times Atlas show the new administrative divisions ('peripheries' or 'regions'), instead of the traditional provinces ('diamerismata'). The latter, which are retained here from the '*Code Manual New EURING*' (1979), are still meaningful, well understood and widely used for any purpose other than strictly administrative use. Please see notes below.

GR--	Greece (provinces)	GR84	Peloponnisos ²
GR80	Aegean Islands ¹	GR85	Ipeiros
GR81	Ionian Islands	GR86	Stereia Ellas ³
GR82	Kriti (Crete)	GR87	Thessalia
GR83	Makedonia ⁴	GR88	Thraki ⁵

¹ Except those belonging to other provinces.

² The whole of the island of the Peloponnese, i.e. including the southern half of the new division of 'Dytiki Ellas' (Ileia and Achaia). Including islands west of 24° 00' E.L.

³ The whole of the new division of 'Stereia Ellas' plus the northern (mainland) half of the new division of 'Dytiki Ellas' (Aitolia and Akarmania). Excluding islands west of 24° 00' E.L.

⁴ Corresponds to the new divisions of 'Dytiki Makedonia', 'Kentriki Makedonia' and 'Anatoliki Makedonia kai Thraki', west of the River Nestos.

⁵ The part of the new division of 'Anatoliki Makedonia kai Thraki' east of the River Nestos.

Greenland see Denmark

Guatemala CAGA

Guinea GY00

Guinea Bissau GQ00

Guinea Islands HH00

Guyana SAGA

Haiti LJHA

Honduras CAHA

Hong Kong CG00

Hrvatska see Croatia

HUNGARY

HG-- *Hungary* (counties)

HG3-	<i>Hungary West</i>	HG4-	<i>Hungary East</i>
HG3Ø	Baranya	HG4Ø	Bács-Kiskun
HG31	Fejér	HG41	Békés
HG32	Győr-Mosin-Sopron	HG42	Borsod-Abaúj-Zemplén
HG33	Komárom-Esztergom	HG43	Csongrád
HG34	Somogy	HG44	Hajdu-Bihar
HG35	Tolna	HG45	Heves
HG36	Vas	HG46	Jász-Nagykun-Szolnok
HG37	Veszprém	HG47	Nógrád
HG38	Zala	HG48	Pest
		HG49	Szabolcs-Szatmár-Bereg

ICELAND

IS-- *Iceland*

	<u>Full name:</u>	<u>Shortened version:</u>
ISØ1	Reykjavík	Reyk
ISØ2	Kjósarsýsla	Kjós
ISØ3	Borgarfjarðarsýsla	Borg
ISØ4	Mýrasýsla	Mýr
ISØ5	Hnappadalssýsla	Hnapp
ISØ6	Snæfellsnessýsla	Snæf
ISØ7	Dalasýsla	Dal
ISØ8	Austur-Barðastrandasýsla	A-Barð
ISØ9	Vestur-Barðastrandasýsla	V-Barð
IS1Ø	Vestur-Ísafjarðarsýsla	V-Ísf
IS11	Norður-Ísafjarðarsýsla	N-Ísf
IS12	Strandasýsla	Strand
IS13	Vestur-Húnavatnssýsla	V-Hún
IS14	Austur-Húnavatnssýsla	A-Hún
IS15	Skagafjarðarsýsla	Skag
IS16	Eyjafjarðarsýsla	Eyf
IS17	Suður-Þingeyjarsýsla	S-Þing
IS18	Norður-Þingeyjarsýsla	N-Þing
IS19	Norður-Múlasýsla	N-Múl
IS2Ø	Suður-Múlasýsla	S-Múl
IS21	Austur-Skaftafellssýsla	A-Skaft
IS22	Vestur-Skaftafellssýsla	V-Skaft
IS23	Rangárvallasýsla	Rang
IS24	Árnessýsla	Árn
IS25	Gullbringusýsla	Gull
IS26	Vestmannaeyjar	Vestm
IS27	Miðhálandi	Miðh



INDIA

IN-- India

INAP	Andhra Pradesh	INMR	Manipur
INAS	Assam	INMY	Karnataka (Mysore, incl. Goa)
INBI	Bihar	INOR	Orissa
INBO	Maharashtra (Mumbai, Bombay)	INPO	Pondicherry
INDE	Delhi	INPU	Punjab
INHP	Himachal Pradesh	INRA	Rajasthan
INJK	Jammu and Kashmir	INTR	Tripura
INKE	Kerala	INUP	Uttar Pradesh
INMP	Madhya Pradesh	INWB	West Bengal
INMS	Tamil Nadu (Madras)		

Indonesia ONØØ

Iran IPØØ

Iraq IQØØ

IRELAND, Republic of

ER-- Ireland (EIRE)

ERCW	Carlow	ERLG	Longford
ERCV	Cavan	ERLU	Louth
ERCL	Clare	ERMA	Mayo
ERCK	Cork	ERME	Meath
ERDO	Donegal	ERMO	Monaghan
ERDU	Dublin	EROF	Offaly
ERGA	Galway	ERRO	Roscommon
ERKE	Kerry	ERSL	Sligo
ERKD	Kildare	ERTP	Tipperary
ERKK	Kilkenny	ERWA	Waterford
ERLM	Leitrim	ERWM	Westmeath
ERLX	Leix (Laois)	ERWX	Wexford
ERLK	Limerick	ERWI	Wicklow

Israel ILØØ

ITALY

IA-- Italy (mainland in provinces, or groups of provinces, islands not subdivided)

IAØ-	<i>Alpine area</i>	IA1-	<i>Po area</i>
IAØØ	Belluno	IA1Ø	Alessandria & Asti
IAØ1	Bergamo	IA11	Bologna

IA02	Bolzano	IA12	Cremona & Mantova
IA03	Brescia	IA13	Milano
IA04	Como & Sondrio & Varese	IA14	Modena
IA05	Cuneo	IA15	Parma & Reggio n.Emilia
IA06	Novara & Vercelli	IA16	Pavia
IA07	Torino	IA17	Piacenza
IA08	Trento	IA18	Verona
IA09	Valle d'Aosta	IA19	Vicenza
IA2-	<i>North Tyrrhenian</i>	IA3-	<i>North Adriatic</i>
IA20	Arezzo	IA30	Ancona & Pesaro e Urbino
IA21	Firenze	IA31	Ascoli Piceno & Macerata
IA22	Genova & Massa, Carrara & La Spezia	IA32	Ferrara & Rovigo
IA23	Grosseto	IA33	Forli
IA24	Imperia & Savona	IA34	Gorizia & Udine
IA25	Livorno & Pisa	IA35	Padova
IA26	Lucca & Pistoia	IA36	Perugia
IA27	Siena	IA37	Ravenna
IA28	Terni	IA38	Treviso
IA29	Viterbo	IA39	Venezia
		IA76	Trieste
IA4-	<i>South Tyrrhenian</i>	IA5-	<i>South Adriatic</i>
IA40	Avellino	IA50	L'Aquila d.Abruzzi
IA41	Benevento	IA51	Bari
IA42	Caserta & Napoli	IA52	Brindisi & Lecce
IA43	Catanzaro	IA53	Campobasso
IA44	Cosenza	IA54	Chieti
IA45	Frosinone & Latina	IA55	Foggia
IA46	Potenza	IA56	Matera
IA47	Reggio di Calabria	IA57	Pescara & Teramo
IA48	Roma	IA58	Rieti
IA49	Salerno	IA59	Taranto (Ionio)
IA6-	<i>Italian Islands</i>		
IA61	Elba		
IA62	Sardegna (Sardinia)		
IA63	Sicilia (incl. islands to the west and north)		
IA64	not used		
IA65	Pantelleria		
IA66	Isole Pelagie		
RA48	VATICAN CITY		

Alphabetical list of the provinces of Italy:

Alessandria IA1Ø
Ancona IA3Ø
Aquila d.Abruzzi IA5Ø
Arezzo IA2Ø
Ascoli Piceno IA31
Asti IA1Ø
Avellino IA4Ø
Bari IA51
Belluno IAØØ
Benevento IA41
Bergamo IAØ1
Bologna IA11
Bolzano IAØ2
Brescia IAØ3
Brindisi IA52
Campobasso IA53
Cantazaro IA43
Caserta IA42
Chieti IA54
Como IAØ4
Cosenza IA44
Cremona IA12
Cuneo IAØ5
Elba IA61
Ferrara IA32
Firenze IA21
Foggia IA55
Forli IA33
Frosinone IA45
Genova IA22
Gorizia IA34
Grosseto IA23
Imperia IA24
Ionio IA59
Isole Pelagie IA66
Latina IA45
Lecce IA52
Livorno IA25
Lucca IA26
Macerata IA31
Mantova IA12
Massa Carrara IA22
Matera IA56
Milano IA13
Modena IA14
Napoli IA42
Novara IAØ6
Padova IA35
Pantellaria IA65
Parma IA15
Pavia IA16
Perugia IA36
Pesaro e Urbino IA3Ø

Pescara IA57
Piacenza IA17
Pisa IA25
Pistoia IA26
Potenza IA46
Ravenna IA37
Reggio d.Calabria IA47
Reggio n.Emilia IA15
Rieti IA58
Roma IA48
Rovigo IA32
Salerna IA49
Sardegna IA62
Sardinia IA62
Savona IA24
Sicilia IA63
Siena IA27
Sondrio IAØ4
Taranto IA59
Teramo IA57
Terni IA28
Torino IAØ7
Trento IAØ8
Treviso IA38
Trieste IA76
Udine IA34
Valle d.Aosta IAØ9
Varese IAØ4
Vatican City RA48
Venezia IA39
Vercelli IAØ6
Verona IA18
Vicenza IA19
Viterbo IA29

Ivory Coast see Côte d'Ivoire
Jamaica CJJA
Jan Mayen see Islands–Oceans-at Sea
Japan JHØØ
Jordan JOØØ

KAZAKHSTAN

KZ-- (SIØ-) **Kazakhstan**
KZ15 (SI15) Akmolinsk O. (Astana city); Tselinograd on old maps
KZØØ (SIØØ) Aktyubinsk O.
KZØ1 (SIØ1) Alma-Ata O.
KZØ3 (SIØ3) Chimkent O.
KZØ4 (SIØ4) Dzhambul O. (Taroz city)
KZØ6 (SIØ6) Gur'yev O. (incl. Mangyshlak O.) (Atyrau city)
KZØ7 (SIØ7) Karaganda O. (incl. Dzhezkazgan O.)
KZ1Ø (SI1Ø) Kzyl-Orda O.
KZ11 (SI11) Pavlodar O.
KZ12 (SI12) Severo-Kazakhstan O. (Kokchetav city)
KZ13 (SI13) Semipalatinsk O.
KZ14 (SI14) Taldy-Kurgan O.
KZØ9 (SIØ9) Turgaisk O. (Arkalyk city) (incl. Kustanay O.)
KZ16 (SI16) Ural'sk O. (Uralsk city, West Kazakhstan region)
KZ17 (SI17) Vostochno-Kazakhstan O. (Ust-Kamenogorsk city)

Kenya GPØØ
Korea North TPØØ
Korea South TXØØ
Kuwait JIØØ

KYRGYZSTAN

KI-- (SI53) **Kyrgyzstan**
KIØ1 (SI53) Issyk-Kul'O. (Przhevalsk)
KIØ2 (SI53) Naryn O.
KIØ3 (SI53) Talas O.

Laos FNLA
Latvia LVØØ
Lebanon LEØØ
Lesotho FGØØ
Liberia PQØØ
Libya LTØØ
Liechtenstein AMØØ

Lithuania LIØØ

Luxembourg KNØØ

For reasons unknown until now (Januari 2004) Luxembourg was also coded as KN29 (see 'Code Manual New Euring' (1979) page 38 (KN29) and page 54 (KNØØ). It's not wise to delete one of those two because probably both has been used. Similar to other country-coding it's sensible to use only KNØØ.

Macedonia MKØØ

Madagascar MGØØ

Madeira see Portugal

Malawi MYØØ

Malaysia FVMA

Maldives MVØØ

Mali EMØØ

Malta MLØØ

Mauritania NMØØ

Mauritius (incl. Rodrigues Island) MUØØ

Mayotte YTØØ

Melilla MJØØ

Mexico TAØØ

Moldova MDØØ

Monaco WR8Ø

Mongolia MNØØ

Montenegro MEØØ

Morocco MAØØ

Mozambique MQØØ

Myanmar FEØØ

Namibia FMØØ

Nepal HJØØ

NETHERLANDS, The

NL-- The Netherlands

(provinces, separate units; all Frisian Isles, IJsselmeer-polders)

characterised by a Ø, 1, 2, or 3 in final column :

Frisian Isles

NLØØ Texel
NLØ1 Vlieland
NLØ2 Griend
NLØ3 Terschelling
NL11 Ameland
NL12 Schiermonnikoog
NL13 Rottumeroog

Remaining part

NLØ4 Drenthe
NLØ5 Friesland
NLØ6 Gelderland
NLØ7 Groningen
NLØ8 Limburg
NLØ9 Noord-Brabant
NL14 Noord-Holland
NL15 Overijssel
NL16 Utrecht
NL17 IJsselmeerpolders (+ Urk & Schokl.)
NL18 Zeeland

New Caledonia NCØØ**New Guinea** WEØØ**NEW ZEALAND****AJ--** ***New Zealand***

AJNI North Island

AJSI South Island

Nicaragua CANA**Niger** NEØØ**Nigeria** NVØØ**North Korea** TPØØ**Northern Ireland** see UK**NORWAY****NO--** ***Norway*** (provinces)

NO2Ø Akershus (Oslo included)

NO21 Aust-Agder, (NB. Bergen (city): NO25)

NO22 Buskerud

NO23 Finnmark

NO24 Hedmark

NO25 Hordaland (Bergen included)

NO26 Møre og Romsdal

NO27 Nordland

NO28 Nord-Trøndelag

NO29 Opland, (NB. Oslo (city): NO2Ø)

NO3Ø Østfold

NO31 Rogaland

NO32 Sogn og Fjordane

NO33 Sør-Trøndelag

NO34 Telemark

NO35 Troms

NO36 Vest-Agder

NO37 Vestfold

Oman OMØØ**Pakistan** PNØØ**Panama** CAPA**Paraguay** SAPA

Peru KJØØ
Philippines OEØØ

POLAND

Three different divisions have been used in the Polish Ringing Scheme, depending on time. For the two older ones see below. Divisions valid from Ø1-Jan-1999 onwards:

PL-- Poland

PLBE	Lubelskie	PLPC	Podkarpackie
PLBU	Lubuskie	PLPS	Podlaskie
PLDO	Dolnoslaskie	PLPM	Pomorskie
PLKP	Kujawsko-Pomorskie	PLSL	Slaskie
PLLO	Lódzkie	PLSW	Swietokrzyskie
PLMP	Malopolskie	PLWM	Warminsko-Mazurskie
PLMZ	Mazowieckie	PLWI	Wielkopolskie
PLOE	Opolskie	PLZP	Zachodnio-Pomorskie

The boundaries of the divisions shown above are given in the map:

Polska mapa administracyjna, skala 1:75Ø.ØØØ, 1999.

Valid from ca. 1970 till Ø1-Jan-1999:

PLBP	Biala Podlaska	PLOP	Opole
PLBT	Bialystok	PLOA	Ostroleka
PLBB	Bielsko-Biala	PLPA	Pila
PLBY	Bydgoszcz	PLPT	Piotrków Trybunalski
PLCH	Chelm	PLPK	Plock
PLHA	Ciechanów	PLPN	Poznam
PLCZ	Czestochowa	PLPR	Przemysl
PLEL	Elblag	PLRM	Radom
PLGD	Gdansk	PLRZ	Rzeszów
PLGW	Gorzów Wielkopolski	PLDL	Siedlce
PLJG	Jelenia Góra	PLDZ	Sieradz
PLIS	Kalisz	PLRN	Skierniewice
PLIC	Katowice	PLUP	Slupsk
PLLC	Kielce	PLSU	Suwalki
PLON	Konin	PLSZ	Szczecin
PLAL	Koszalin	PLTG	Tarnobrzeg
PLKW	Kraków	PLTV	Tarnów
PLRO	Krosno	PLTO	Torun
PLLA	Legnica	PLWH	Walbrzych
PLLS	Leszno	PLWZ	Warszawa
PLOM	Lomza	PLWK	Wloclawek
PLHH	Lodz	PLWW	Wroclaw
PLLU	Lublin	PLZA	Zamosc
PLNS	Nowy Sacz	PLZG	Zielona Góra
PLOL	Olsztyn		

N.B. The boundaries of these divisions are not given in the Times Atlas but conform to *Stan administracyjny 1 V1 1975 r.*

For the benefit of schemes without access to maps showing the revised regional boundaries in Poland the original Euring place codes for Polish regions are repeated below. The boundaries of these regions are shown in the Times Atlas. Where possible coding to the two letter regions designated above is preferred to the numerical regions given below:

PL8-	Poland Northwest	PL9-	Poland Southeast
PL8Ø	Bydgoszcz (Bromberg)	PL9Ø	Bialystok
PL81	Gdansk (Danzig)	PL91	Kielce

PL82 Koszalin (Köslin)
PL83 Olsztyn (Allenstein)
PL84 Poznan (Posen)
PL85 Szczecin (Stettin)
PL86 Zielona Gora (Grünberg)

PL92 Krakow
PL93 Lodz
PL94 Lublin
PL95 Opole (Oppeln)
PL96 Rzeszow
PL97 Stalinograd (Katowice)
PL98 Warszawa (Warschau)
PL99 Wroclaw (Breslau)

PORTUGAL

PO-- *Portugal* (provinces)

POØ1	Aveiro	PO1Ø	Leiria
POØ2	Beja	PO11	Lisboa
POØ3	Braga	PO12	Portalegre
POØ4	Bragança	PO13	Porto
POØ5	Castelo Branco	PO14	Santarém
POØ6	Coimbra	PO15	Setúbal
POØ7	Évora	PO16	Viana do Castelo
POØ8	Faro	PO17	Vila Real
POØ9	Guarda	PO18	Viseu

Azores:

PO19 Ilha da Terceira
PO2Ø Ilha do Faial
PO21 Ilha de São Miguel
PO23 Ilha de Santa Maria
PO24 Ilha Graciosa
PO25 Ilha de São Jorge
PO26 Ilha do Pico
PO27 Ilha das Flores
PO28 Ilha do Corvo

Madeira:

PO22 Ilha da Madeira
PO29 Ilha de Porto Santo

Puerto Rico LJPA

Reunion REØØ

Rio de Oro see Western Sahara

ROMANIA

RO-- *Romania* (regions)

RO5-	<i>Romania Northwest</i>	RO6-	<i>Romania Southwest</i>
RO5Ø	Arad	RO6Ø	Bârlad
RO51	Bazău	RO61	Bucuresti (Bucharest)
RO52	Baia Mare	RO62	Constanta
RO53	Cluj (Kolozsvar)	RO63	Craiova
RO54	Hunedoara	RO64	Galati (Galatz)
RO55	Magyar Autonomous Region	RO65	Iasi (Jassy)
RO56	Oradea (Nagyvarad)	RO66	Pitești

RO57	Braşov (Oraşul Stalin)	RO67	Ploeşti
RO58	Suceava		
RO59	Timişoara		

Rwanda PPØØ

RUSSIAN FEDERATION

O.: Oblast,
A.O.: Avtonomnaya Oblast (Autonomous District)

new **old**

RU-- (SU--) **USSR European part**
RU-- (SI--) **USSR Asiatic part**

RUNW *North-West European Russia*
RUØ1 (SU14) Murmansk O.
RUØ2 (SU12) Karelia
RUØ3 (SUØ3) Leningrad O. (incl. Sankt-Petersburg)
RUØ3 (SUØ3) Sankt-Petersburg (form. Leningrad, centre of Leningrad O.)
RUØ4 (SUØ1) Kaliningrad O.
RUØ5 (SUØ6) Pskov O.
RUØ6 (SUØ5) Novgorod O.

RUNR *North of European Russia*
RUØ7 (SU1Ø) Arkhangelsk O. (exl. Islands)
RUØ8 (SU15) Nenets A.O. (incl. Kolguev and Vaygach Islands)
RUØ9 (SU13) Komi
RU1Ø (SU11) Franz Josef Land
RU11 (SU16) Novaya Zemlya

RUCE *Centre of European Russia*
RU12 (SU17) Vologda O.
RU13 (SU39) Yaroslavl' O.
RU14 (SU32) Kalinin O. (changed to Tver' O.)
RU14 (SU32) Tver' O. (form. Kalinin O.)
RU15 (SU33) Kostroma O.
RU16 (SU31) Ivanovo O.
RU17 (SU35) Moscow O.
RU18 (SU38) Vladimir O.
RU19 (SU27) Smolensk O.
RU2Ø (SU24) Kaluga O.
RU21 (SU37) Tula O.
RU22 (SU36) Ryazan' O.

RUVV *Volgo-Vyatka Region*
RU23 (SU42) Kirov O.
RU24 (SU46) Perm' O.

RU25 (SU48) Udmurtia

RUMV Middle Volga

RU26 (SU3Ø) Nizhniy Novgorod O. (form. Gorkiy O.)
RU26 (SU3Ø) Gorkiy O. (changed to Nizhniy Novgorod O.)
RU27 (SU44) Mariy El
RU28 (SU41) Chuvashia
RU29 (SU34) Mordovia O.
RU3Ø (SU47) Tataria
RU31 (SU49) Ul'yanovsk O.
RU32 (SU84) Penza O.
RU33 (SU43) Samara O. (form. Kuybyshev O.)
RU33 (SU43) Kuybyshev O. (changed to Samara O.)
RU34 (SU86) Saratov O.

RUCB Central Blacksoil Region

RU35 (SU21) Bryansk O.
RU36 (SU83) Orel O.
RU37 (SU81) Kursk O.
RU38 (SU82) Lipetsk O.
RU39 (SU87) Tambov O.
RU4Ø (SU89) Voronezh O.
RU41 (SU8Ø) Belgorod O.

RUVD Volgo-Don Region

RU44 (SU91) Astrakhan' O.
RU42 (SU88) Stalingrad O. (changed to Volgograd O.)
RU42 (SU88) Volgograd O. (form Stalingrad O.)
RU43 (SU85) Rostov O.
RU45 (SU96) Kalmykia

RUNC North Caucasus

RU46 (SU97) Krasnodar (incl. Adygey)
RU47 (SU98) Stavropol' O.
RU48 (SU93) Karachayevo-Cherkessia
RU49 (SU93) Kabardino-Balkaria
RU5Ø (SU93) Severnaya Osetia
RU51 (SU93) Ingushetia (form. part of Checheno-Ingushetia ASSR)
RU52 (SU93) Chechnya (form. part of Checheno-Ingushetia ASSR)
RU53 (SU94) Dagestan

RUSU Southern Ural

RU54 (SI26) Ekaterinburg (form. Sverdlovsk, centre of Sverdlovsk O.)
RU54 (SI26) Sverdlovsk O. (incl. Ekaterinburg)
RU55 (SI23) Kurgan O.
RU56 (SI2Ø) Chelyabinsk O.
RU57 (SU4Ø) Bashkiria
RU58 (SU45) Orenburg O.

RUWS Western Siberia

RU6Ø (SI29) Yamal-Nenets A.O. (part of Tyumen' O.)
RU61 (SI22) Khanty-Mansi A.O. (part of Tyumen' O.)

RU62 (SI28) Tyumen' O. (excl. Yamalo-Nenets A.O. and Khanty-Mansi A.O.)
 RU63 (SI25) Omsk O.
 RU64 (SI27) Tomsk O.

RUSS South-Western Siberia

RU65 (SI24) Novosibirsk O.
 RU66 (SI21) Kemerovo O.
 RU67 (SIØ5, SIØ2) Altay (incl. Gorno-Altaysk)

RUCS Central Siberia

RU68 (SI35) Severnaya Zemlya Islands (part of Taymyr A.O.)
 RU69 (SI36) Taymyr A.O. (part of Krasnoyarsk, excl. Severnaya Zemlya,)
 RU7Ø (SI3Ø) Evenkiy A.O. (part of Krasnoyarsk)
 RU71 (SI33) Krasnoyarsk (excl. Severnaya Zemlya Isls., Taymyr A.O.,
 Evenkiy A.O., Khakassia
 RU72 (SI32) Khakassia (part of Krasnoyarsk)
 RU73 (SI37) Tuva

RUBS Baikal Region

RU74 (SI31) Irkutsk O.
 RU75 (SI41) Buryatia
 RU76 (SI42) Chita O.

RUYS Yakutia

RU77 (SI34) Novosibirskiye Isls. (part of Yakutia-Sakha)
 RU78 (SI38, SI39) Yakutia-Sakha

RUNE North-East

RU79 (SI43) Wrangel Island (part of Chukotka)
 RU8Ø (SI43) Chukotka (excl. Wrangel Isl.)
 RU81 (SI47) Magadan O.
 RU82 (SI44) Kamchatka O. (incl. Komandorskiye Isls.)

RUFE Far East

RU83 (SI4Ø) Amur O. (Blagoveshchensk ?)
 RU84 (SI45) Khabarovsk
 RU85 (SI49) Primorskiy
 RU86 (SI48) Sakhalin O. (excl. Kuril Isls.)
 RU87 (SI46) Kuril Islands (part of Sakhalin O.)

Alphabetic list of subdivisions of the Russian Federation:

Altay (incl. Gorno-Altaysk) RU67
 Amur O. RU83
 Arkhangelsk O. (exl. Islands) RUØ7
 Astrakhan' O. RU44
 Bashkiria RU57
 Belgorod O. RU41
 Bryansk O. RU35
 Buryatia RU75
 Chechnya (form. part of Checheno-Ingushetia ASSR) RU52
 Chelyabinsk O. RU56
 Chita O. RU76

Chukotka (excl. Wrangel Isl.) RU8Ø
 Chuvashia RU28
 Dagestan RU53
 Ekaterinburg (form. Sverdlovsk, centre of Sverdlovsk O.) RU54
 Evenkiy A.O. (part of Krasnoyarsk) RU7Ø
 Franz Josef Land RU1Ø
 Gorkiy O. (changed to Nizhniy Novgorod O.) RU26
 Ingushetia (form. part of Checheno-Ingushetia ASSR) RU51
 Irkutsk O. RU74
 Ivanovo O. RU16
 Kabardino-Balkaria RU49
 Kalinin O. (changed to Tver' O.) RU14
 Kaliningrad O. RUØ4
 Kalmykia RU45
 Kaluga O. RU2Ø
 Kamchatka O. (incl. Komandorskiye Isl.) RU82
 Karachayevo-Cherkessia RU48
 Karelia RUØ2
 Kemerovo O. RU66
 Khabarovsk RU84
 Khakassia (part of Krasnoyarsk) RU72
 Khanty-Mansi A.O. (part of Tyumen' O.) RU61
 Kirov O. RU23
 Komi RUØ9
 Kostroma O. RU15
 Krasnodar (incl. Adygey) RU46
 Krasnoyarsk (excl. Severnaya Zemlya Isl., Taymyr A.O., Evenkiy A.O., Khakassia) RU71
 Kurgan O. RU55
 Kuril Islands (part of Sakhalin O.) RU87
 Kursk O. RU37
 Kuybyshev O. (changed to Samara O.) RU33
 Leningrad O. (incl. Sankt-Petersburg) RUØ3
 Lipetsk O. RU38
 Magadan O. RU81
 Mariy El RU27
 Mordovia O. RU29
 Moscow O. RU17
 Murmansk O. RUØ1
 Nenets A.O. (incl. Kolguev and Vaygach Islands) RUØ8
 Nizhniy Novgorod O. (form. Gorkiy O.) RU26
 Novaya Zemlya RU11
 Novgorod O. RUØ6
 Novosibirsk O. RU65
 Novosibirskiye Isl. (part of Yakutia-Sakha) RU77
 Omsk O. RU63
 Orel O. RU36
 Orenburg O. RU58
 Penza O. RU32
 Perm' O. RU24
 Primorskiy RU85
 Pskov O. RUØ5
 Rostov O. RU43
 Ryazan' O. RU22
 Sakhalin O. (excl. Kuril Isl.) RU86
 Samara O. (form. Kuybyshev O.) RU33
 Sankt-Petersburg (form. Leningrad, centre of Leningrad O.) RUØ3
 Saratov O. RU34
 Severnaya Osetia RU5Ø
 Severnaya Zemlya Islands (part of Taymyr A.O.) RU68
 Smolensk O. RU19
 Stalingrad O. (changed to Volgograd O.) RU42

Stavropol' O. RU47
Sverdlovsk O. (incl. Ekaterinburg) RU54
Tambov O. RU39
Tataria RU3Ø
Taymyr A.O. (part of Krasnoyarsk, excl. Severnaya Zemlya) RU69
Tomsk O. RU64
Tula O. RU21
Tuva RU73
Tver' O. (form. Kalinin O.) RU14
Tyumen' O. (excl. Yamalo-Nenets A.O. and Khanty-Mansi A.O.) RU62
Udmurtia RU25
Ul'yanovsk O. RU31
Vladimir O. RU18
Volgograd O. (form Stalingrad O.) RU42
Vologda O. RU12
Voronezh O. RU4Ø
Wrangel Island (part of Chukotka) RU79
Yakutia-Sakha RU78
Yamal-Nenets A.O. (part of Tyumen' O.) RU6Ø
Yaroslavl' O. RU13.

San Marino ZA33
Saudi Arabia ARØØ
Scotland see UK

Serbia, Republic of

RS-- Republic of Serbia

RS74 (formerly YU74) Kosovo
RS77 (formerly YU77) Serbia
RS78 (formerly YU78) Vojvodina

Seychelles SCØØ
Senegal NUØØ
Sierra Leone PHØØ
Sikkim QJØØ
Singapore FVSA

SLOVAKIA

SK-- Slovakia

Region "Banskobystricky"
SKBB Banska Bystrica
SKBS Banska Štiavnica
SKBR Brezno
SKDT Detva
SKKA Krupina
SKLC Lucenec

SKPT Poltar
SKRA Revuca
SKRS Rimavska Sobota
SKVK Velky Krtis
SKZV Zvolen
SKZC Zarnovica
SKZH Ziar nad Hronom

Region "Bratislavsky"

SKBA Bratislava I, II, III, IV, V
SKMA Malacky
SKPK Pezinok
SKSC Senec

Region "Kosicky"

SKKE Kosice I, II, III, IV
SKKS Kosice,okolie
SKGL Gelnica
SKMI Michalovce
SKRV Roznava
SKSO Sobrance
SKSN Spisska Nova Ves
SKTV Trebisov

Region "Nitriansky"

SKNR Nitra
SKKN Komarna
SKLV Levice
SKNZ Nove Zamky
SKSA Sala
SKTO Topolcany
SKZM Zlate Moravce

Region "Presovsky"

SKPO Presov
SKBJ Bardejov
SKHE Humenne
SKKK Kezmarok
SKLE Levoca
SKML Medzilaborce
SKPP Poprad
SKSB Sabinov
SKSV Snina
SKSL Stara Lubovna
SKSP Stropkov
SKSK Svidnik
SKVT Vranov nad Toplou

Region "Trenciansky"

SKTN Trencin
SKBN Banovce nad Bebravou
SKIL Ilava
SKMY Myjava
SKNM Nove Mesto nad Vahom

SKPE Partizanske
SKPB Povazska Bystrica
SKPD Prievidza
SKPU Puchov

Region "Trnavsky"

SKTT Trnava
SKDS Dunajska Streda
SKGA Galanta
SKHC Hlohovec
SKPI Piestany
SKSE Senica
SKSI Skalica

Region "Zilinsky"

SKZA Zilina
SKBY Bytca
SKCA Cadca
SKDK Dolny Kubin
SKKM Kysucke Nove Mesto
SKLM Liptovsky Mikulas
SKMT Martin
SKNO Namestovo
SKRK Ruzomberok
SKTR Turcianske Teplice
SKTS Tvrdozin

Alphabetic list of subdivisions of Slovakia:

Banovce nad Bebravou SKBN
Banska Bystrica SKBB
Banska Stiavnica SKBS
Bardejov SKBJ
Bratislava I, II, III, IV, V SKBA
Brezno SKBR
Bytca SKBY
Cadca SKCA
Detva SKDT
Dolny Kubin SKDK
Dunajska Streda SKDS
Galanta SKGA
Gelnica SKGL
Hlohovec SKHC
Humenne SKHE
Ilava SKIL
Kezmarok SKKK
Komarna SKKN
Kosice I, II, III, IV SKKE
Kosice,okolie SKKS
Krupina SKKA
Kysucke Nove Mesto SKKM
Levice SKLV
Levoca SKLE
Liptovsky Mikulas SKLM
Lucenec SKLC
Malacky SKMA

Martin SKMT
 Medzilaborce SKML
 Michalovce SKMI
 Myjava SKMY
 Namestovo SKNO
 Nitra SKNR
 Nove Mesto nad Vahom SKNM
 Nove Zamky SKNZ
 Partizanske SKPE
 Pezinok SKPK
 Piestany SKPI
 Poltar SKPT
 Poprad SKPP
 Povazska Bystrica SKPB
 Presov SKPO
 Prievidza SKPD
 Puchov SKPU
 Revuca SKRA
 Rimavska Sobota SKRS
 Roznava SKRV
 Ruzomberok SKRK
 Sabinov SKSB
 Sala SKSA
 Senec SKSC
 Senica SKSE
 Skalica SKSI
 Snina SKSV
 Sobrance SKSO
 Spisska Nova Ves SKSN
 Stara Lubovna SKSL
 Stropkov SKSP
 Svidnik SKSK
 Topolcany SKTO
 Trebisov SKTV
 Trencin SKTN
 Trnava SKTT
 Turcianske Teplice SKTR
 Tvrdosin SKTS
 Velky Krtis SKVK
 Vranov nad Toplou SKVT
 Zarnovica SKZC
 Ziar nad Hronom SKZH
 Zilina SKZA
 Zlate Moravce SKZM
 Zvolen SKZV

Valid from the separation of Czechoslovakia till Jan 01, 2002 (?):

SK--	(CS2-)	Slovakia			
SK20	(CS20)	Banska Bystrica (Banskobystricky Kraj)	SK25	(CS25)	Nitra (Nitriansky Kraj)
SK21	(CS21)	Bratislava (Bratislavsky Kraj)	SK28	(CS28)	Prešov (Prešovsky Kraj)
SK24	(CS24)	Košický Kraj	SK29	(CS29)	Zilina (Zilinsky Kraj)

Slovenia SL00

Socotra see Suqutṛā

Somalia YS00

SOUTH AFRICA

States of Republic of South Africa

FP-- South Africa

FPCG	Western Cape (Cape Province)	FPOF	Free State (Orange Free State)
FPNA	Kwazulu-Natal	FPTV	Northern Mpumalanga (Transvaal)

South Korea TX00

SPAIN

ES-- Spain (provinces)

ES0-	<i>Atlantic coast</i>	ES1-	<i>Centra, north-west</i>
ES00	Álava	ES10	Avila
ES01	La Coruña	ES11	Burgos
ES02	Guipúzcoa	ES12	León
ES03	Lugo	ES13	La Rioja (Logroño)
ES04	Orense	ES14	Palencia
ES05	Asturias (Oviedo)	ES15	Salamanca
ES06	Pontevedra	ES16	Segovia
ES07	Santander	ES17	Soria
ES08	Vizcaya	ES18	Valladolid
		ES19	Zamora
ES2-	<i>Central, north-east</i>	ES3-	<i>North-east coast</i>
ES20	Cuenca	ES30	Barcelona
ES21	Guadalajara	ES31	Castellón
ES22	Huesca	ES32	Girona
ES23	Lérida	ES33	Tarragona
ES24	Navarra		
ES25	Teruel		
ES26	Zaragoza		
ES4-	<i>South-east coast</i>	ES5-	<i>Central, south</i>
ES40	Albacete	ES50	Badajoz
ES41	Alicante	ES51	Cáceres
ES42	Almeria	ES52	Ciudad Real
ES43	Murcia	ES53	Madrid
ES44	Valencia	ES54	Toledo
ES6-	<i>South</i>	ES7-	<i>Baleares</i>
ES60	Cádiz	ES70	Eivissa (Ibiza, incl. Formentera)
ES61	Córdoba	ES71	Mallorca (incl. Cabrera)
ES62	Granada	ES72	Menorca
ES63	Huelva		

ES64	Jaén
ES65	Málaga
ES66	Sevilla
ES8-	Islas Canarias (former +HCN)
ES8Ø	Isla de Tenerife
ES81	Isla de La Palma
ES82	Isla de La Gomera
ES83	Isla el Hierro
ES84	Isla de Gran Canaria
ES85	Isla de Fuerteventura
ES86	Isla de Lanzarote

Alphabetical list of provinces of Spain:

Álava ES00
Albacete ES40
Alicante ES41
Almeria ES42
Asturias ES05
Avila ES10
Badajoz ES50
Balearic Islands ES7-
Barcelona ES30
Bilbao ES08
Biscaya ES08
Burgos ES11
Cabrera see Mallorca
Cáceres ES51
Cádiz ES60
Castellón ES31
Ciudad Real ES52
Córdoba ES61
Coruña ES01
Cuenca ES20
Eivissa ES70
Formentera see Eivissa
Girona ES32
Granada ES62
Guadalajara ES21
Guipúzcoa ES02
Huelva ES63
Huesca ES22
Ibiza see Eivissa
Islas Canarias ES8-
Isla de Fuerteventura ES85
Isla de La Gomera ES82
Isla de Gran Canaria ES84
Isla el Hierro ES83
Isla de Lanzarote ES86
Isla de La Palma ES81
Isla de Tenerife ES80
Jaén ES64
León ES12
Lleida ES23
Logroño ES13
Lugo ES03
Madrid ES53
Málaga ES65
Mallorca ES71
Menorca ES72
Murcia ES43
Navarra ES24
Ourense ES04
Oviedo ES05
Palencia ES14
Pamplona ES24
Pontevedra ES06

Salamanca ES15
San Sebastian ES02
Santander ES07
Saragossa ES26
Segovia ES16
Sevilla ES66
Soria ES17
Tarragona ES33
Teruel ES25
Toledo ES54
Valencia ES44
Valladolid ES18
Vizcaya ES08
Zamora ES19
Zaragoza ES26

Spanish West Africa Rio de Oro see Western Sahara

Sri Lanka ZEØØ

Sudan SSØØ

Suqutṛā YBØØ

Suriname SRØØ

Swaziland WPØØ

SWEDEN

SV-- Sweden

(provinces; the names of the former divisions are still in use, and these are given in brackets: the code numbers behind refer to the present division in the area of which the old province was situated)

SV4Ø	Alvsborg (Angermannland) SV6Ø, SV61	SV51	Malmöhus (Medelpad) SV61 (Närke) SV53
SV41	Blekinge Bohus SV43 (Dalarna) SV42, SV48 (Dalsland) SV4Ø (Gastrikland) SV42	SV52	Norrbottn Öland SV71
SV42	Gävleborg	SV53	Örebro
SV43	Göteborg och Bohus Gotland SV7Ø	SV54	Östergötland (Skåne) SV49, SV51
SV44	Halland (Hälsingland) SV42, SV45 (Härjedalen) SV45	SV55	Skaraborg (Småland) SV46, SV47, SV5Ø
SV45	Jämtland (Jämtland) SV45, SV61	SV56	Södermanland (Södermanland) SV56, SV57, SV62
SV46	Jönköping	SV57	Stockholm (city included) (Uppland) SV57, SV58, SV62
SV47	Kalmar	SV58	Uppsala
SV48	Kopparberg	SV59	Värmland (Värmland) SV59, SV53
SV49	Kristianstad	SV6Ø	Västerbottn (Västergotland) SV4Ø, SV43, SV55
SV5Ø	Kronoberg (Lapland) SV52, SV6Ø	SV61	Västernorrland
		SV62	Västmanland (Västmanland) SV62, SV53
		SV63	Skåne (including SV49 and SV51)
		SV64	Västra Götaland (including SV4Ø, SV43 and SV55)
		SV7Ø	Gotland
		SV71	Öland

Note that, if more convenient for the user, the codes SV51, SV49 and SV4Ø, SV43, SV55 still be used though these provinces are now included in resp. SV63 and SV64.

SWITZERLAND

HE-- *Switzerland*

HEAG	Aargau
HEAI	Appenzell Innerrhoden } Appenzell
HEAR	Appenzell Ausserrhoden }
HEBE	Bern/Berne
HEBL	Basseland } Basel
HEBS	Baselstadt }
HEFR	Fribourg/Freiburg
HEGE	Genève
HEGL	Glarus
HEGR	Graubünden
HEJU	Jura
HELU	Luzern
HENE	Neuchâtel
HENW	Nidwalden } Unterwalden
HEOW	Obwalden }
HESG	St. Gallen
HESH	Schaffhausen
HESO	Solothurn
HESZ	Schwyz
HETG	Thurgau
HETI	Ticino
HEUR	Uri
HEVD	Vaud
HEVS	Valais
HEZG	Zug
HEZH	Zürich

Old Swiss numeric code:

HE90	AG+LU
HE91	AL+AR+SG+TG
HE92	BL+BS+SO
HE93	BE
HE94	FR+GE+NE+VD
HE95	GL+SZ+NW+OW+UR+ZG
HE96	GR
HE97	SH+ZH
HE98	TI
HE99	VS

Syria SY00

Taiwan CX00

TAJIKISTAN

TD-- (SI55) *Tajikistan*

TDØ1 (SI55)	Gorno-Badakhshan (aut.distr.)	TDØ3 (SI55)	Dushanbe Oblast
TDØ2 (SI55)	Khatlon Oblast	TDØ4 (SI55)	Sogdi Oblast (former Leninabad)

Tanzania HTØØ

Tchad see Chad

Thailand FNTA

Tibet (see China) HAØØ

Togo XHØØ

Tunisia TOØØ

Turkey TUØØ

TURKMENISTAN

TM-- (SI5-) Turkmenistan

TMØ1 (????)	Balkan Velayat	TMØ3 (????)	Akhal Velayat
TMØ2 (????)	Dashogus Velayat	TMØ4 (????)	Lebap Velayat
TMØ5 (????)	May Velayat		

Uganda GGØØ

UK

The United Kingdom of Great Britain (England, Scotland and Wales) and Northern Ireland.

GENERAL COUNTRY CODES

England GBE-

N.Ireland GBU-

Scotland GBS-

Wales GBW-

GB-- Great Britain Two letter code for counties in England, Scotland, Wales & Northern Ireland (latter all start with U = Ulster). Initial two letters GB.

N.B. These are old county and regional boundaries, *not* those shown in the Times Atlas, these counties will be updated shortly (except for Northern Ireland).

GBAN	Anglesey	GBKE	Kent
GBAV	Avon	GBLA	Lancashire
GBBD	Bedfordshire	GBLE	Leicester & Rutland
GBBK	Berkshire	GBLI	Lincolnshire
GBBR	Border Region	GBLO	London (Greater)
GBBC	Buckingham	GBLR	Lothian Region
GBCA	Cambridge & Huntingdon	GBMA	Manchester (Greater)
GBCR	Central Region	GBME	Merseyside
GBCH	Cheshire	GBNK	Norfolk
GBCV	Cleveland	GBNH	Northamptonshire
GBCW	Clwyd	GBNL	Northumberland

GBCO	Cornwall	GBNY	North Yorkshire
GBCU	Cumbria	GBNT	Nottinghamshire
GBDB	Derby	GBOR	Orkney
GBDV	Devon	GBOX	Oxford
GBDO	Dorset	GBPO	Powys
GBDR	Dumfries & Galloway Region	GBSA	Salop
GBDU	Durham	GBSI	Scilly Isles
GBDY	Dyfed	GBSH	Shetland
GBES	Essex	GBSY	South Yorks
GBFI	Fair Isle	GBST	Staffordshire
GBFR	Fife Region	GBSC	Strathclyde Region
GBGM	Glamorgan (W.,Mid-&S.)	GBSO	Somerset
GBGL	Gloucester	GBSK	Suffolk
GBGR	Grampian Region	GBSR	Surrey
GBGT	Gwent	GBSX	Sussex (West & East)
GBGD	Gwynedd	GBTR	Tayside Region
GBHA	Hampshire (excl. L.o.W.)	GBTY	Tyne & Wear
GBHF	Hereford & Worcs.	GBWK	Warwickshire
GBHT	Hertfordshire	GBWI	Western Isles
GBHR	Highland Region	GBWM	West Midlands
GBHU	Humberside	GBWY	West Yorks
GBIM	Isle of Man	GBWT	Wiltshire
GBIW	Isle of Wight		

NORTHERN IRELAND

GBUN	Antrim
GBUR	Armagh
GBUD	Down
GBUF	Fermanagh
GBUL	Londonderry
GBUT	Tyrone

CIØØ CHANNEL ISLANDS

CIAL	Alderney
CIGU	Guernsey
CIHE	Herm
CIJE	Jersey
CISA	Sark

GIBRALTAR NBØØ

NB: For reasons unknown until now (August 2002) (because Cádiz = ES6Ø ?) Gibraltar was also coded as NB6Ø, see 'Code Manual New Euring' 1979 pages 32 (NB6Ø) and 55 (NBØØ).

Alphabetical list of departments of the UK:

Alderney CIAL
Anglesey GBAN
Antrim GBUN
Armagh GBUR
Avon GBAV
Bedfordshire GBBD
Berkshire GBBK
Border Region GBBR
Buckingham GBBC
Cambridge & Huntingdon GBCA
Central Region GBCR
Cheshire GBCH
Cleveland GBCV
Clwyd GBCW
Cornwall GBCO
Cumbria GBCU
Derby GBDB
Devon GBDV
Dorset GBDO
Down GBUD
Dumfries & Galloway Region GBDR
Durham GBDU
Dyfed GBDY
Essex GBES
Fair Isle GBFI
Fermanagh GBUF
Fife GBFR
Gibraltar NBØØ see Note above
Gibraltar NB6Ø see Note above
Glamorgan (W., Mid- & S.) GBGM
Gloucester GBGL
Grampian Region GBGR
Guernsey CIGU
Gwent GBGT
Gwynedd GBGD
Hampshire (excl. L.o.W.) GBHA
Hereford & Worcs. GBHF
Herm CIHE
Hertfordshire GBHT
Highland Region GBHR
Humberside GBHU
Isle of Man GBIM
Isle of Wight GBIW
Jersey CIJE
Kent GBKE
Lancashire GBLA
Leicester & Rutland GBLE
Lincolnshire GBLI
London (Greater) GBLO
Londonderry GBUL
Lothian Region GBLR
Manchester (Greater) GBMA
Merseyside GBME

Norfolk GBNK
North Yorkshire GBNY
Northamptonshire GBNH
Northumberland GBNL
Nottinghamshire GBNT
Orkney GBOR
Oxford GBOX
Powys GBPO
Salop GBSA
Sark CISA
Scilly Isles GBSI
Shetland GBSH
Somerset GBSO
South Yorks GBSY
Staffordshire GBST
Strathclyde Region GBSC
Suffolk GBSK
Surrey GBSR
Sussex (West & East) GBSX
Tayside Region GBTR
Tyne & Wear GBTY
Tyrone GBUT
Warwickshire GBWK
West Midlands GBWM
West Yorks GBWY
Western Isles GBWI
Wiltshire GBWT

UKRAINE

UK-- (SU5-) Ukraine

UK58	(SU58)	Kirovograd O.	UK67	(SU67)	Poltava O.
UK59	(SU59)	Kyiv O.	UK66	(SU66)	Odesa O.
UK57	(SU57)	Khmel'nitskiy O.	UK71	(SU71)	Ternopil' O.
UK63	(SU63)	Lviv O.	UK53	(SU53)	Dnipropetrovsk O.
UK61	(SU61)	Lugansk O. (Voroshilovgrad O.)	UK52	(SU52)	Chernivtsy O.
UK6Ø	(SU6Ø)	Krym	UK54	(SU54)	Donetsk O.
UK56	(SU56)	Kherson O.	UK55	(SU55)	Kharkiv O.
UK72	(SU72)	Zakarpatska O. (Uzhgorod)	UK69	(SU69)	Ivano-Frankivsk O.
UK68	(SU68)	Rivne O.	UK62	(SU62)	Volynska O. (Lutsk)
UK74	(SU74)	Zaporizhzhya O.	UK73	(SU73)	Vinnitsa O.
UK7Ø	(SU7Ø)	Sumy O.	UK51	(SU51)	Chernigiv O.
UK75	(SU75)	Zhitomir O.	UK5Ø	(SU5Ø)	Cherkassy O.
UK65	(SU65)	Mikolayiv O.			

United Arab Emirates JRØØ

Upper Volta, Haute Volta see Burkina

Uruguay SAUA

USA

NA-- United States of America (excl. Alaska, Hawaii, Puerto Rico)

NAAL	Alabama	NAMO	Montana
NAAZ	Arizona	NANA	Nebraska
NAAK	Arkansas	NANV	Nevada
NACA	California	NANH	New Hampshire
NACL	Colorado	NANJ	New Jersey
NACN	Connecticut	NANY	New York
NADE	Delaware	NANC	North Carolina
NADC	District of Columbia	NAND	North Dakota
NAFL	Florida	NAOH	Ohio
NAGE	Georgia	NAOK	Oklahoma
NAID	Idaho	NAOR	Oregon
NAIL	Illinois	NAPE	Pennsylvania
NAIN	Indiana	NARI	Rhode Island
NAIO	Iowa	NASC	South Carolina
NAKA	Kansas	NASD	South Dakota
NAKE	Kentucky	NATN	Tennessee
NALO	Louisiana	NATX	Texas
NAMA	Maine	NAUT	Utah
NAMY	Maryland	NAVE	Vermont
NAMS	Massachusetts	NAVI	Virginia
NAMC	Michigan	NAWA	Washington

NAMN Minnesota
NAMP Mississippi
NAMR Missouri

NAWV West Virginia
NAWI Wisconsin
NAWY Wyoming

VAØØ Alaska

UZBEKISTAN

UZ-- (SI57) Uzbekistan

UZØ1 (????)	Andizhan O.	UZØ8 (????)	Namangan O.
UZØ2 (????)	Bukhara O.	UZØ9 (????)	Navoi O.
UZØ3 (????)	Dzhizak O.	UZ1Ø (????)	Samarkand O.
UZØ4 (????)	Fergana O.	UZ11 (????)	Surkhandar'in O.(Termez)
UZØ5 (SI52)	Kara-Kalpak	UZ12 (????)	Syrdar'in O. (Gulistan)
UZØ6 (????)	Kashkadar'in O.(Karshi)	UZ13 (????)	Tashkent O.
UZØ7 (????)	Khorezm O. (Urgench)		

Still to do: what old USSR numbers do correspond to this new code?

Vatican City see Italy

Venezuela SJØØ

Vietnam FNVA

Wales see UK

West Bank WBØØ

Western Sahara, (Rio de Oro), (Spanish West Africa) NDØØ

Yemen JZØØ

YUGOSLAVIA

Since 2004 this country is divided in two separate countries now: Montenegro and the Republic of Serbia.

YU-- Yugoslavia

YU72 Crna-Gora (Montenegro) (since 2004: MEØØ)

YU74 Kosovo-Metohija (since 2004: RS74)

YU77 Srbija (Serbia) (since 2004: RS77)

YU78 Vojvodina (since 2004: RS78)

Zaire see Democratic Republic of Congo

Zambia ZMØØ

Zanzibar & Pemba QCØØ

Zimbabwe WSØØ.

ISLANDS and OCEANS

Place codes for other islands, for which codes have not so far been allocated, may be found below. If they are not specifically mentioned they should be included with the relevant ocean area but note AN (Antarctica) and PI (Pacific Islands).

Otherwise uncoded **islands** in the following oceans:

ANØØ	Antarctica
PIØØ	Pacific Islands (all including Galapagos in East)
+AØØ	Arctic Ocean
+ABI	Bear Island (Bjørnøya)
+AJM	Jan Mayen
+ASV	Svalbard (Spitsbergen)
+BØØ	North Sea (see also UK, Denmark, Norway, the Netherlands, Belgium, Germany)
+CØØ	English Channel and Irish Sea (see also France, UK and Ireland)
+DØØ	Bay of Biscay
+EØØ	Baltic Sea (see also Norway, Denmark, Sweden, Finland, Estonia, Lithuania, Latvia)
+FØØ	Mediterranean Sea (see below)
+GØØ	Black and Caspian Seas
+HØØ	North Atlantic Ocean (other parts)
+HBE	Bermuda
+HCV	Cape Verde Islands
+IØØ	Other Oceans
+JØØ	Indian Ocean
IOØØ	British Indian Ocean Territories
MUØØ	Mauritius (incl. Rodrigues Island)
MVØØ	Maldives
REØØ	Reunion
SCØØ	Seychelles
TFØØ	French Southern Territories (Crozet Islands, Kerguelen, St. Paul, Amsterdam Island)
Azores	see Portugal
Canary Islands	see Spain
Madeira	see Portugal

Summary of codes for the larger Mediterranean Islands:

Aegean islands	GR8Ø
Baleares, Islas	ES7- (but see individual island codes)
Corse (Corsica)	FR9Ø
Crete	see Kriti
Cyclades	see Kyklades
Cyprus	CYØØ
Eivissa	ES7Ø
Elba	IA61

Formentera	ES7Ø
Gozo	MLØØ
Ibiza see Eivissa	
Kerkyra (Corfu)	GR81
Kerkyra (Ionian Islands)	GR81
Kriti	GR82
Kyklades	GR8Ø
Mallorca	ES71
Malta	MLØØ
Menorca	ES72
Pantelleria	IA65
Rhodos	GR8Ø
Sardegna (Sardinia)	IA62
Sicilia (Sicily)	IA63

AT SEA

Birds found floating **at sea** or found on ships or other man-made structures rather than islands are coded as if found on uncoded islands but with an initial - rather than +.

-AØØ	Arctic Ocean
-BØØ	North Sea
-CØØ	English Channel and Irish Sea
-DØØ	Bay of Biscay
-EØØ	Baltic Sea
-FØØ	Mediterranean Sea
-GØØ	Black and Caspian Seas
-HØØ	North Atlantic Ocean (other parts)
-IØØ	Other Oceans
-JØØ	Indian Ocean

GEOGRAPHICAL CO-ORDINATES

alphanumeric, fifteen columns (61 - 75)

Latitude:

North and South co-ordinates are given in:

- Quadrant, North is "+" and South is "-" (1 digit).
- Degrees, in a range from 0 to 90 (2 digits).
- Minutes, in a range from 0 to 60 (2 digits).
- Seconds, in a range from 0 to 60 (2 digits).

Longitude:

East and West co-ordinates are given in:

- Quadrant, East is "+" and West is "-" (1 digit).
- Degrees, in a range from 0 to 180 (3 digits).
- Minutes, in a range from 0 to 60 (2 digits).
- Seconds, in a range from 0 to 60 (2 digits).

NOTE.

When the co-ordinates are not known exactly, for example the subdivision in seconds is not known, make a best estimate and code the field "accuracy of co-ordinates" accordingly.

Do **not** code: +5157-- when the seconds are not known.

A few examples:

+340311-1181456	(34° 3' 11" N	118° 14' 56" W)	USA, Los Angeles
+592624+0244741	(59° 26' 24" N	24° 47' 41" E)	Estonia, Tallinn
+515706+0054513	(51° 57' 06" N	5° 45' 13" E)	Netherlands, Vogeltrekstation
+522526+0004449	(52° 25' 26" N	0° 44' 49" E)	England, Thetford
-335405+0182902	(33° 54' 05" S	18° 29' 2" E)	South Africa, Cape Town
-351748+1490731	(35° 17' 48" S	149° 7' 31" E)	Australia, Canberra
+474425+0085853	(47° 44' 25" N	8° 58' 53" E)	Germany, Radolfzell
+620238+1294221	(62° 2' 38" N	129° 42' 21" E)	Russian Federation, Yakutsk
-210832-1751218	(21° 8' 32" S	175° 12' 18" W)	Toku Islands, Nuku'alofa
+384352-0092634	(38° 43' 52" N	9° 26' 34" W)	Portugal, Lisboa
-225439-0431322	(22° 54' 39" S	43° 13' 22" W)	Brasil, Rio de Janeiro

Co-ordinates according to the cdrom: "Worldmap" from Wolters-Noordhof, the Netherlands.

ACCURACY OF CO-ORDINATES

numeric, one column (76)

- Ø Accurate to the given co-ordinates.
- 1 Somewhere in a circle with radius 5 km (3.1 mile).
- 2 Somewhere in a circle with radius 1Ø km (6.2 mile).
- 3 Somewhere in a circle with radius 2Ø km (12.4 mile).
- 4 Somewhere in a circle with radius 5Ø km (31.1 mile).
- 5 Somewhere in a circle with radius 1ØØ km (62.2 mile).
- 6 Somewhere in a circle with radius 5ØØ km (31Ø.8 mile).
- 7 Somewhere in a circle with radius 1ØØØ km (621.5 mile).
- 8 Reserved for the future.
- 9 Somewhere in the country or region given in the field 'Place Code' (57-6Ø)

NOTE.

When information about the accuracy of data in a particular field is required the accuracy is normally given in the same units of measurements as the main data. This causes a problem for co-ordinates as an inaccuracy in longitude of one degree on the equator has a higher impact than one degree in the north of Norway. Therefore the accuracy of co-ordinates is given in kilometers.

CONDITION

numeric, one column (77)

- Ø Condition completely unknown.
- 1 Dead but no information on how recently the bird had died (or been killed).
- 2 Freshly dead - within about a week.
- 3 Not freshly dead - information available that it had been dead for more than about a week.
N.B. for very long dead birds, use '9' in the field "accuracy of date", as well as 3 here.
- 4 Found sick, wounded, unhealthy etc. and known to have been released.
- 5 Found sick, wounded, unhealthy etc. and not released or not known if released.
- 6 Alive and probably healthy but taken into captivity.
- 7 Alive and probably healthy and certainly released.
- 8 Alive and probably healthy and released by a ringer.
- 9 Alive and probably healthy but ultimate fate of bird is not known.

NOTE.

Only where the finder provides wholly reliable information enabling a better estimate of the date of death to be determined from the circumstances of finding should that date of death be used (with appropriate accuracy code). Where there is any doubt the *finding* date must be coded and not an unreliable estimated date of death. For example:

- a. The bird was dead about three weeks. Code date of finding and 3.
- b. I visit the local lake every day to bird watch and noticed, on 1st January 1978, the body of a swan on an island. The bird had not been there the previous day. On 15th February a fisherman took me to the island in his boat and I found the enclosed ring on the Swan's remains. Code Ø1Ø11978 and 2, not 15Ø21978 and 3.

This column codes CONDITION of the bird when found and is only modified by other columns where, as already mentioned above, '9' in the field "accuracy of date" is used to indicate that a bird has been dead for a very long time.

CIRCUMSTANCES

numeric, two columns (78 - 79)

Two digit numeric and hierarchic code; primary divisions as follows:

- 99 Totally unknown circumstance: not even stated to be 'found'.
- Ø Unknown circumstances or unknown whether through man's agency or naturally (includes attracted to domestic animals).
 - 1 Intentionally by man - shot.
 - 2 Intentionally by man - other means (includes trapped, poisoned, ring number read in field etc.). **All captures (=ringing data) and recaptures (caught and released).**
 - 3 Accidentally by man - 'pollution'.
 - 4 Accidentally through human agency (not 'pollution'): includes traffic accidents, collision with wires etc., entering man-made artefacts, accidents with machinery, drowned at artificial water. NB: attracted to domestic animals is Ø.
 - 5 Natural causes - diseases and other natural ailments.
 - 6 Predation by any animal other than man (except hunted by falconer's bird - which would be covered by 2 above).
 - 7 Other 'natural causes'. Drowned (natural water bodies), trapped, tangled and collided with natural objects and also climate and starvation (or thirst).
 - 8 Bird identified from something else than the metal ring.

When coding circumstances the following fields should be considered:

- manipulated (column 3Ø),
- circumstances presumed (column 8Ø),
- moved before the capture / recapture / recovery (column 31).

Primary Division: Miscellaneous.

numeric, column 78: 9 or Ø.

Unknown, attracted to domestic animals, on ship, ringing casualty (whether through ringer or ring).

- 99 No information at all, ring number written on postcard (for example) with no mention of the bird, whether found, whether dead or alive.
- ØØ 'Found' (letter reports 'found'), no mention of the bird or its body in recovery report.
- Ø1 Found, bird or body mentioned in recovery letter.
- Ø2 Ring only found in circumstances where the bird could have ended its life without transported information in the field "moved before capture / recapture / recovery was done". That field to be used to indicate that ring had been moved e.g. found at Post Office, in chest of drawers etc.
- Ø3 Ring and leg only found in natural circumstances (the field "move before capture / recapture / recovery was done used as above).
- Ø4 Code Ø4 is not used.

- Ø5 Code Ø5 is not used.
- Ø6 Found on ship unless there is further indication that the bird was caught in fishing gear, hit wires, attracted to lights etc. where these should be coded rather than Ø6.
- Ø7 Joined or attracted to domestic animals or birds. NB: 12 or 22 should be used if the bird has been shot or trapped to protect the birds or animals to which it has been attracted.
- Ø8 Dead or seriously harmed by ringer through catching or handling processes.
- Ø9 Recovery caused by the ring or mark on the bird - this includes becoming entangled because of the ring and being recovered as a result of injuries caused by the ring.

Primary Division: Shot.
numeric, column 78: 1

- 1Ø Shot – not for reasons 12-16 below.
- 11 Found shot.
- 12 Shot to protect crops, foodstuffs, animals or game species.
- 13 Shot in the course of nature protection procedures (e.g. gulls culled to protect young waders or terns, gulls culled to provide nesting habitat for other species).
- 14 Shot to protect human life - air-strike prevention, human health consideration (roosts on buildings, gulls roosting on drinking water reservoirs).
- 15 Shot to provide plumage for decoration or commerce (taxidermy, fishing lures etc.) OR shot as part of a scientific investigation (but NOT because the individual was ringed).
- 16 Shot because it was ringed or marked.
- 17 Code 17 is not used.
- 18 Code 18 is not used.
- 19 'Capturado', 'tué', 'chasse', 'tué à la chasse' etc. - words or phrases used in various languages indicating that the bird has been 'hunted' and is likely to have been shot in the majority of cases rather than to have been taken by other means.

Primary Division: Intentionally by Man (not shot).
numeric, column 78: 2

- 2Ø Hunted, trapped, poisoned intentionally by man (NB: not shot). Not for reasons set out 21-29 below.
- 21 Trapped for caging - may be used with the condition code to deal with birds found in captivity and with the field "moved before recovery was done" to deal with birds not caught at the finding place. NB: birds taken into captivity for treatment are not included here.
- 22 Trapped, poisoned etc., to protect crops, foodstuffs, animals or game species. Compare with 12 above.
- 23 Trapped, poisoned etc., during nature protection procedures. Compare 13 above.
- 24 Trapped, poisoned etc., to protect human life. Compare 14 above.
- 25 Trapped, poisoned etc., for plumage or during scientific investigation. Compare 15 above.
- 26 Trapped, poisoned etc., because it was ringed. Compare 16 above.
- 27 Found at or in nest-box or other structure specially placed or modified by man for birds to use. Compare 46 below.
- 28 Ring number of metal ring read in field without the bird being caught.
- 29 See primary division 8.

Primary Division: Accidentally by Man - 'Pollution'.

numeric, column 78: 3

- 30 Oil.
- 31 Contact with discarded human materials (old tins, discarded fishing line, metal swarf, sticky substances (not oil) etc.).
- 32 Contact with human artefacts which are still in use and NOT intended as protection against birds or set to trap birds or other animals - e.g. tangled in barbed wire, caught in sports netting, caught in fish-nets hanging to dry on the shore.
- 33 Entangled in crop protection nets(include fruit netting, nets over stored food-stuffs or over fish-ponds. Threads or fibres, not made into nets, but used for crop protection also included here).
- 34 Accidentally trapped where the intention was to trap other species of birds or vertebrates (e.g. *Erithacus rubecula* in trap for *Pyrrhula pyrrhula* in an orchard, a bird caught in mouse-trap, a bird caught in fish nets or on fish-hook WHILST nets or hook were being used to catch fish).
- 35 Electrocuted. This over-rides codes for 'Hit wires' (43) or 'Entered building' (46) where there is good evidence that the bird would not have been recovered if it were not for the electrocution.
- 36 Radio-activity.
- 37 Poisoned through chemical pollution. Chemical identified (one or more may be involved) and details available from national ringing centre (e.g. Metallic lead poisoning for *Cygnus olor*, Dieldrin for a raptor). NB: If there is evidence that the chemical was being used intentionally see codes 20-26 and 34.
- 38 Poisoned through chemical pollution but identity of chemical agent (agents) not known (see 37 above).

Primary Division: Accidentally through human agency (not 'pollution').

numeric, column 78: 4

NB: 40-42 traffic accidents,
43-45 collisions with static objects.

- 40 Road - used with the field "circumstances presumed" (column 80) to indicate as follows:
 - 0 in field "circumstances presumed": definitely through impact with road vehicle.
 - 1 in field "circumstances presumed": dead on road, traffic accident presumed.
 - 2 in field "moved before recovery": hit by vehicle, moved from point of impact by it.
- 41 Railway, used with the field "circumstances presumed" as above.
- 42 Aircraft, used with the field "circumstances presumed" as above. Care needs to be taken as to whether impact with aircraft or ground vehicle is cause of recovery on airfields. When in doubt code 42 and 1 in the field "circumstances presumed".
- 43 Collision with (or presumed) THIN man-made structure-wires, wires, masts, cables, ship's rigging, aerials etc. (see below for THICK.)
- 44 Collision with (or presumed) glass or other transparent materials -windows, wind-breaks, windows of static vehicles.
- 45 Collision with (or presumed) THICK man-made structure, building, bridge etc.
- 46 Entered man-made structure NOT built or modified to trap animals (see 34) or as a nest-box (see 27) - building, letter-box, etc. See also the field "status" for coding of roosting, breeding etc.

- 47 Attracted to lights (not being used as a deliberate trapping method) - often associated with foggy weather – NB: P or S in the field “status” indicates at lighthouse or light-ship.
- 48 Recovered as a result of active human occupation. The analyst may use this as a flag to obtain further information since many different sorts of record will receive this code. For example:
 - Industrial (e.g. caught in moving belt, blasting operation at mine).
 - Agricultural (e.g. caught in automatic vent of greenhouse, trapped by plough)
 - Forestry (e.g. killed by tree being felled, crushed between floating logs)
 - Sporting (e.g. killed by golf ball, caught by fielder in cricket match)
 - Military (e.g. killed on bombing range, concussed by artillery fire).
- 49 Drowned in artificial water container-water butt, forestry fire tank etc. where the edges of the water surface are artificial and may trap any bird in the water (NB: category 7Ø would apply to a garden pond).

Primary Division: Natural Causes - Diseases etc.

numeric, column 78: 5

- 5Ø Contusions, breaks, general trauma where no other cause given.
- 51 Malformations (congenital, mechanical (e.g. from broken bill) or from tumours).
- 52 Fungal infections (e.g. aspergillosis etc.).
- 53 Viral infections.
- 54 Bacterial infections (but see 56 below).
- 55 Other endo-parasites (e.g. blood-parasites, nematodes, trematodes etc.).
- 56 Botulism.
- 57 Red-tide (dinoflagellate poisoning).
- 58 Combination of any of the above without definite single cause being known.
- 59 Veterinary examination made and report available - no positive conclusions.

Primary Division: Predated, other than by Man.

numeric, column 78: 6

NB: Taken by trained falconer's bird should be coded 2Ø.

- 6Ø Taken by unspecified animal.
- 61 Taken by cat.
- 62 Taken by other domestic animal or one in captivity (e.g. farmed mink or zoo animals: includes poultry, reptiles etc. in captivity).
- 63 Taken by wild or feral mammal (include escaped mink).
- 64 Taken by owl or raptor - exact identification of predator available.
- 65 Taken by owl or raptor - exact identification of predator not known.
- 66 Taken by other species of bird (not conspecific).
- 67 Taken by conspecific.
- 68 Taken by reptile, amphibian or fish.
- 69 Taken by other animals (e.g. wasps, ants, bees, spiders etc).

IMPORTANT

As with all other parts of the field “circumstances”, the actual fact of killing is given in the code typed for the field “condition”. In practice 861 (condition=8, circumstances=61) could be used for an apparently healthy bird taken by a ringer from a cat and released.

Primary Division: Other Natural Circumstances.

numeric, column 78: 7

- 70 Drowned - note 49 if in an artificial water container, note also "moved before capture / recapture / recovery" (column 31).
- 71 Tangled in natural object (e.g. tree, sheep's wool etc.). NB: tangling in ring or mark is coded 09.
- 72 In natural hole or cave. NB: the field "status" (breeding, roosting etc. to be coded), (column 38).
- 73 Collided with any sort of natural object (e.g. tree, cliff etc.). If collision during violent storm etc. code as 78.
- 74 Poor condition with indication that cold weather was cause.
- 75 Poor condition with indication that hot weather was cause.
- 76 Poor condition, starvation or thirst may be mentioned but no indication of cause leading to poor condition of the bird.
- 77 Caught in ice.
- 78 Violent climatological phenomena were involved in the recovery - strong winds, tempests, hail, whirlwind, floods etc.

Primary Division: Bird identified as an individual in the field from something other than the metal ring (bird not caught).

numeric, column 78: 8

- 80 Bird identified as an individual in the field by something else than the metal ring.
- 81 Bird identified from coloured or numbered legring(s).
- 82 Bird identified from coloured or numbered neckring(s).
- 83 Bird identified from wingtags.
- 84 Bird identified with radio tracking.
- 85 Bird identified with satellite tracking.
- 86 Bird identified from transponder.
- 87 Bird identified from nasal mark(s).
- 88 Bird identified from flight feather(s) stamped with the ringnumber.
- 89 Bird identified from body- or wing painting.

CIRCUMSTANCES PRESUMED

numeric, one column (80)

- Ø No doubt about the circumstances.
- 1 Circumstances presumed.

CIRCUMSTANCES PRESUMED can be used in combination with the entries in the field "circumstances" to modify the circumstances, e.g. changes 43 'Killed against wires' to 'Found under wires' etc.

EURING CODE IDENTIFIER

numeric, one column (81)

This column identifies which version of coding (1966, 1979 or 2000) is used.

- Ø '*EURING Code Manual*' (1966). Directly coded (no translation).
- 1 '*Code Manual New EURING*' (1979). Translated from '*EURING Code Manual*' (1966). This was done by computer with a very small minority of records needing to be investigated by each ringing centre. The co-ordinates on these cards will always have the minutes divisible by 6, having been translated from old EURING cards with tenths of degrees typed.
- 2 '*Code Manual New EURING*' (1979). Directly coded (no translation of older codes).
- 3 '*EURING exchange-code 2000*' (2001). Translated from older codes.
- 4 '*EURING exchange-code 2000*' (2001). Directly coded (no translation of older codes).

DERIVED DATA

DISTANCE

alphanumeric, five columns (82 - 86)

Calculated by computer (Imboden & Imboden 1972) as the distance between the current record and the first record (=ringing data). The distance is given in kilometres (00000 - 99999).

A distance is always calculated, even if the geographical co-ordinates are given as inaccurate. Users should check the field 'accuracy of co-ordinates' (column 76).

NB1: of course the distance is not present in the first record (=ringing data), in that case code: ----- (five 'hyphens').

NB2: you can compute distance and direction between two sets of co-ordinates according to 'orthodrome' (shortest distance) or 'loxodrome' (constant direction), the two methods can give rather different results (Imboden & Imboden 1972). The method preferred by EURING is 'loxodrome'. Scientists should check which method is used in the data you did receive, or better: compute it yourself.

Imboden C. & D. Imboden 1972. *Formel für Orthodrome und Loxodrome bei der Berechnung von Richtung und Distanz zwischen Beringungs- und Wiederfundort*. Die Vogelwarte 26(4): 336-346.

DIRECTION

alphanumeric, three columns (87 - 89)

Calculated by computer (Imboden & Imboden 1972) as the direction between the current record and the first record (=ringing data). The direction is given in degrees (000 - 359).

A direction is always calculated, even if the geographical co-ordinates are given as inaccurate. Users should check the field 'accuracy of co-ordinates' (column 76).

NB1: of course the direction is not present in the first record (=ringing data). In that case code: --- (three 'hyphens').

NB2: you can compute distance and direction between two sets of co-ordinates according to 'orthodrome' (shortest distance) or 'loxodrome' (constant direction), the two methods can give rather different results (Imboden & Imboden 1972). The method preferred by EURING is 'loxodrome'. Scientists should check which method is used in the data you did receive, or better: compute it yourself.

Imboden C. & D. Imboden 1972. *Formel für Orthodrome und Loxodrome bei der Berechnung von Richtung und Distanz zwischen Beringungs- und Wiederfundort*. Die Vogelwarte 26(4): 336-346.

ELAPSED TIME

alphanumeric, five columns (90 - 94)

Calculated as the elapsed time between the current record and the first record (=ringing data). The elapsed time is given in days (00000 - 99999).

Elapsed time is always calculated, even if the date is given as inaccurate. Users should check the field 'accuracy of date' (column 52).

NB: of course the elapsed time is not given on the first record (=ringing data), in that case code: ----- (five 'hyphens').

BIOMETRICS

Reserved columns 151-200

(Wing length, Primary length, Weight, Tarsus, Fat, Skull ossification, Molt, Tail length, Tail difference, Bill length, Bill depth, Bill width, Head and bill, Toe, Claws, etc. etc.).

For measuring techniques see:

Bairlein F. (ed.) 1995. *Manual of Field Methods. European-African songbird migration network*. Revised edition. Vogelwarte Helgoland, Wilhelmshaven.

Baker K. 1993. *Identification Guide to European Non-Passerines*. BTO guide 24. BTO, Thetford. ISBN 0-903793-18-0.

Berthold P. & W. Friedrich 1979. *Die Federlänge: Ein neues nützliches Flügelmaß*. Die Vogelwarte 30: 11-21.

Ginn H.B. & D.S. Melville 1983. *Moult in birds*. BTO guide 19. BTO, Tring. ISBN 0-903793-02-4.

Jenni L. & R. Winkler 1994. *Moult and ageing of European Passerines*. London. ISBN 0-12-384150-X.

Kaiser A. 1993. *A new multi-category classification of subcutaneous fat deposits of songbirds*. Journal of Field Ornithology 64: 246-255.

Pyle P., S.N.G. Howell, R.P. Yunick & D. DeSante 1997. *Identification Guide to North American Passerines*. Slate Creek Press, Bolinas. ISBN 0-9618940-0-8.

Svensson L. 1992. *Identification Guide of European Passerines*. Fourth edition. Svensson, Stockholm. ISBN 91-630-1118-2.

Extensive literature is cited in Svensson (1992).

THANKS.

Many thanks are for my dad B.J. (Bé) Speek. He typed in almost the complete old '*Code Manual New EURING*' (1979), quite a job. He improved the spelling of all countries and provinces comparing to the 10th edition of "The Times Comprehensive Atlas of the World" and checked and rechecked and re... this '*EURING exchange-code 2000*'. We had many hours of discussion, lots of new ideas were born (and many of them rejected). His contribution in creating the '*Code Manual New EURING*' (1979) was a great help for me. Dad thank you.

Gerrit Speek

The EURING exchange-code 2000.

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Appendix 1.

List of European bats.

In the year 2004 the Finnish Scheme did make a start to archive bat ringing. They want to use the EURING code as the basics of their administration of bat ringing and recoveries. Therefore a list of European bats is added in this appendix.

EURING nr.	genus	species	English name
50010	<i>Rousettus</i>	<i>Aegyptiacus</i>	Egyptian rousette
50020	<i>Rhinolophus</i>	<i>ferrumequinum</i>	Greater horseshoe bat
50030	<i>Rhinolophus</i>	<i>hipposideros</i>	Lesser horseshoe bat
50040	<i>Rhinolophus</i>	<i>euryale</i>	Mediterranean horseshoe bat
50050	<i>Rhinolophus</i>	<i>blasii</i>	Blasius' horseshoe bat
50060	<i>Rhinolophus</i>	<i>mehelyi</i>	Mehely's horseshoe bat
50070	<i>Myotis</i>	<i>daubentonii</i>	Daubenton's bat
50080	<i>Myotis</i>	<i>capacinii</i>	Long-fingered bat
50090	<i>Myotis</i>	<i>dasycneme</i>	Pond bat
50100	<i>Myotis</i>	<i>brandtii</i>	Brandt's bat
50110	<i>Myotis</i>	<i>mystacinus</i>	Whiskered bat
50120	<i>Myotis</i>	<i>emarginatus</i>	Geoffroy's bat
50130	<i>Myotis</i>	<i>nattereri</i>	Natterer's bat
50140	<i>Myotis</i>	<i>bechsteinii</i>	Bechstein's bat
50150	<i>Myotis</i>	<i>myotis</i>	Greater mouse-eared bat
50160	<i>Myotis</i>	<i>blythii</i>	Lesser mouse-eared bat
50170	<i>Nyctalus</i>	<i>noctula</i>	Noctule
50180	<i>Nyctalus</i>	<i>leisleri</i>	Leisler's bat
50190	<i>Nyctalus</i>	<i>azoreum</i>	Azores noctule
50200	<i>Nyctalus</i>	<i>lasiopterus</i>	Greater noctule
50210	<i>Eptesicus</i>	<i>serotinus</i>	Serotine
50220	<i>Eptesicus</i>	<i>nilsonii</i>	Northern bat
50230	<i>Eptesicus</i>	<i>bottae</i>	Botta's serotine
50240	<i>Vespertilio</i>	<i>murinus</i>	Parti-coloured bat
50250	<i>Pipistrellus</i>	<i>pipistrellus</i>	Pipistrelle
50260	<i>Pipistrellus</i>	<i>pygmaeus</i>	Pigmy pipistrelle
50270	<i>Pipistrellus</i>	<i>nathusii</i>	Nathusius' pipistrelle
50280	<i>Pipistrellus</i>	<i>kuhlii</i>	Kuhl's pipistrelle
50290	<i>Pipistrellus</i>	<i>maderensis</i>	Madeira pipistrelle
50300	<i>Hypsugo</i>	<i>savii</i>	Savi's pipistrelle
50310	<i>Plecotis</i>	<i>auritus</i>	Long-eared bat
50320	<i>Plecotis</i>	<i>austriacus</i>	Grey long-eared bat
50330	<i>Plecotis</i>	<i>teneriffae</i>	Canary long-eared bat
50340	<i>Barbastella</i>	<i>barbastellus</i>	Barbastelle
50350	<i>Miniopterus</i>	<i>schreibersii</i>	Schreiber's bat
50360	<i>Tadarida</i>	<i>teniotis</i>	European free-tailed bat

Appendix 2.

World-list of sea-mammals.

EURING nr.	genus - species	English name
61000		a whale or dolphin
61010		a whale
61020		a large whale
61030		a large whale, indistinct dorsal
61040		a large whale, distinct dorsal
61050		a medium whale
61060		Sei / Minke / Bottlenose
61070		a small whale
62020		large whale, no dorsal
62030	<i>Balaena mysticetus</i>	Bowhead Whale
62040	<i>Balaena glacialis</i>	Right Whale
62050	<i>Caperea marginata</i>	Pygmy Right Whale
62110	<i>Eschrichtius robustus</i>	Gray Whale
62210		a large Balaenoptera spec.
62220	<i>Balaenoptera musculus</i>	Blue Whale
62230	<i>Balaenoptera physalus</i>	Fin Whale
62240	<i>Balaenoptera borealis</i>	Sei Whale
62250	<i>Balaenoptera edeni</i>	Bryde's Whale
62260	<i>Balaenoptera acutorostrata</i>	Minke Whale
62270	<i>Megaptera novaeangliae</i>	Humpback Whale
62520	<i>Physeter macrocephalus</i>	Sperm Whale
62530	<i>Kogia breviceps</i>	Pygmy Sperm Whale
62540	<i>Kogia simus</i>	Dwarf Sperm Whale
62610	<i>Monodon monoceros</i>	Narwhal
62620	<i>Delphinapterus leucas</i>	Beluga Whale
62630	<i>Orcaella brevirostris</i>	Irrawaddy Dolphin
62710	<i>Berardius bairdii</i>	Baird's Beaked Whale
62720	<i>Berardius arnuxii</i>	Arnoux's Beaked Whale
62730	<i>Tasmacetus shepherdi</i>	Shepherd's Beaked Whale
62740	<i>Ziphius cavirostris</i>	Cuvier's Whale
62750	<i>Hyperoodon ampullatus</i>	Northern Bottlenose Whale
62760	<i>Hyperoodon planifrons</i>	Southern Bottlenose Whale
62770		Mesoplodon spec., beaked whale
62780	<i>Mesoplodon pacificus</i>	Longman's Beaked Whale
62790	<i>Mesoplodon hectori</i>	Hector's Beaked Whale
62800	<i>Mesoplodon mirus</i>	True's Beaked Whales
62810	<i>Mesoplodon europaeus</i>	Gervais' Beaked Whale
62820	<i>Mesoplodon ginkgodens</i>	Ginkgo-toothed Beaked Whale
62830	<i>Mesoplodon grayi</i>	Gray's Beaked Whale
62840	<i>Mesoplodon stejnegeri</i>	Stejneger's Beaked Whale
62850	<i>Mesoplodon carlhubbsi</i>	Hubbs' Beaked Whale
62860	<i>Mesoplodon bowdoini</i>	Andrews' Beaked Whale
62870	<i>Mesoplodon layardii</i>	Straptoothed Whale
62880	<i>Mesoplodon bidens</i>	Sowerby's Whale
62890	<i>Mesoplodon densirostris</i>	Blainville's Whale
63010		a medium whale, large fin
63020	<i>Orcinus orca</i>	Killer Whale

63030		Globicephala or Pseudorca
63040	<i>Pseudorca crassidens</i>	False Killer Whale
63050	<i>Feresa attenuata</i>	Pygmy Killer Whale
63060	<i>Peponocephala electra</i>	Melon-headed Whale
63070	<i>Globicephala melaena</i>	Long-finned Pilot Whale
63080	<i>Globicephala macrorhynchus</i>	Short-finned Pilot Whale
63110		a dolphin
63120		a patterned dolphin
63130		an unpatterned dolphin
63140	<i>Souza chinensis</i>	humpback dolphins
63150	<i>Souza teuszii</i>	humpback dolphins
63160	<i>Souza plumbea</i>	humpback dolphins
63170	<i>Steno bredanensis</i>	Rough-toothed Dolphin
63180	<i>Sotalia fluviatilis</i>	Tucuxi
63190	<i>Tursiops truncatus</i>	Bottlenose Dolphin
63200	<i>Stenella coeruleoalba</i>	Striped Dolphin
63210	<i>Stenella attenuata</i>	Pantropical Spotted Dolphin
63220	<i>Stenella longirostris</i>	Spinner Dolphin
63230	<i>Stenella clymene</i>	Clymene Dolphin
63240	<i>Stenella frontalis</i>	Spotted Dolphin
63250	<i>Delphinus delphis</i>	Common Dolphin
63260		a Lagenorhynchus spec.
63270	<i>Lagenorhynchus albirostris</i>	White Beaked Dolphin
63280	<i>Lagenorhynchus acutus</i>	Atlantic White-sided Dolphin
63290	<i>Lagenorhynchus obliquidens</i>	Pacific White-sided Dolphin
63300	<i>Lagenorhynchus obscurus</i>	Dusky Dolphin
63310	<i>Lagenorhynchus australis</i>	Peale's Dolphin
63320	<i>Lagenorhynchus cruciger</i>	Hourglass Dolphin
63330	<i>Lagenodelphis hosei</i>	Fraser's Dolphin
63340	<i>Cephalorhynchus heavisidii</i>	Heaviside's Dolphin
63350	<i>Cephalorhynchus eutropia</i>	Chilean Dolphin
63360	<i>Cephalorhynchus hectori</i>	Hector's Dolphin
63370	<i>Cephalorhynchus commersonii</i>	Commerson's Dolphin
63380	<i>Lissodelphis borealis</i>	Northern Right Whale Dolphin
63390	<i>Lissodelphis peronii</i>	Southern Right Whale Dolphin
63400	<i>Grampus griseus</i>	Risso's Dolphin
63510	<i>Phocoena phocoena</i>	Harbour Porpoise
63520	<i>Phocoena sinus</i>	Vaquita
63530	<i>Australophocaena dioptrica</i>	Spectacled Porpoise
63540	<i>Phocoena spinipinnis</i>	Burmeister's Porpoise
63550	<i>Neophocaena phocaenoides</i>	Finless Porpoise
63560	<i>Phocoenoides dalli</i>	Dall's Porpoise
63610	<i>Platanista gangetica</i>	Ganges River Dolphin
63620	<i>Platanista minor</i>	Indus River Dolphin
63630	<i>Inia geoffrensis</i>	Boto
63640	<i>Lipotes vexillifer</i>	Baiji
63650	<i>Pontoporia blainvillei</i>	Franciscana
64010	<i>Eumetopias jubatus</i>	Steller's Sea Lion
64020	<i>Zalophus californianus</i>	Californian Sea Lion
64030	<i>Otaria byronia</i>	Southern Sea Lion
64040	<i>Neophoca cinerea</i>	Australian Sea Lion
64050	<i>Phocarcos hookeri</i>	New Zealand Sea Lion
64060	<i>Arctocephalus townsendi</i>	Guadalupe Fur Seal
64070	<i>Arctocephalus galapagoensis</i>	Galapagos Fur Seal
64080	<i>Arctocephalus philippii</i>	Juan Fernandez Fur Seal

64090	<i>Arctocephalus australis</i>	South American Fur Seal
64100	<i>Arctocephalus tropicalis</i>	Subantarctic Fur Seal
64110	<i>Arctocephalus gazella</i>	Antarctic Fur Seal
64120	<i>Arctocephalus pusillus</i>	Cape/Australian Fur Seal
64130	<i>Arctocephalus forsteri</i>	New Zealand Fur Seal
64140	<i>Callorhinus ursinus</i>	Northern Fur Seal
64210	<i>Odobenus rosmarus</i>	Walrus
64310		an unidentified pinniped
64320	<i>Halichoerus grypus</i>	Grey Seal
64330	<i>Phoca vitulina</i>	Common Seal
64340	<i>Phoca largha</i>	Largha Seal
64350	<i>Phoca hispida</i>	Ringed Seal
64360	<i>Phoca caspia</i>	Caspian Seal
64370	<i>Phoca siberica</i>	Baikal Seal
64380	<i>Phoca groenlandica</i>	Harp Seal
64390	<i>Phoca fasciata</i>	Ribbon Seal
64400	<i>Cystophora cristata</i>	Hooded Seal
64410	<i>Erignathus barbatus</i>	Bearded Seal
64420	<i>Monachus monachus</i>	Mediterranean Monk Seal
64430	<i>Monachus tropicalis</i>	West Indian Monk Seal
64440	<i>Monachus schauinslandi</i>	Hawaiian Monk Seal
64450	<i>Leptonychotes weddelli</i>	Weddell Seal
64460	<i>Ommatophoca rossi</i>	Ross Seal
64470	<i>Lobodon carcinophagus</i>	Crabeater
64480	<i>Hydrurga leptonyx</i>	Leopard Seal
64490	<i>Mirounga leonina</i>	Southern Elephant Seal
64500	<i>Mirounga angustirostris</i>	Northern Elephant Seal

UPDATE INFORMATION:

Do you want to mention a mistake, fault or addition or whatever improvement:

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Changes in coding of countries from the 'Code Manual New EURING' 1979 to 'the EURING exchange-code 2000':

Armenia (AE00) is a new country from the former USSR; **Azerbaijan** is a new country from the former USSR; **Belarus** is a new country from the former USSR; **Bosnia and Herzegovina** (BH00) is a new country from the former Yugoslavia; **Croatia** is a new country from the former Yugoslavia; **Czech Republic** is a new country from the former Czechoslovakia; **Estonia** is a new country from the former USSR; **Georgia** is a new country from the former USSR; **Germany** is a new country: former Federal Republic of Germany and the former German Democratic Republic are now combined; **Ifni** (UJ00) is now included in Western Sahara; **Islas de Canarias** see Spain (+HCN removed, now ES-); **Kazakhstan** is a new country from the former USSR; **Kyrgyzstan** is a new country from the former USSR; **Latvia** is a new country from the former USSR; **Lithuania** is a new country from the former USSR; **Macedonia** a new country from the former Yugoslavia; **Moldova** is a new country from the former USSR; **Russian Federation** is a new country from the former USSR; **Slovakia** is a new country from the former Czechoslovakia; **Slovenia** is a new country from the former Yugoslavia; **Tangier** (DJ00) is now a city inside Morocco (MA00); **Tajikistan** is a new country from the former USSR; **Turkmenistan** is a new country from the former USSR; **Ukraine** is a new country from the former USSR; **Uzbekistan** is a new country from the former USSR; **Yugoslavia** is now minus Croatia, Bosnia and Herzegovina and Macedonia.

- Jul 21, 2001 First release as a draft on the website of EURING.
- Aug 14, 2001 (a) Administrative divisions of Tajikistan and Turkmenistan updated, based on research by the Moscow Scheme; (b) footer with page numbers added.
- Aug 21, 2001 Information received from Aevor Petersen, Reykjavik Scheme: (a) the old Peter Skovgaard Viborg Scheme was operating in Iceland before the Reykjavik Scheme, so within the *Ringling Scheme* (col. 1-3) Skovgaard is mentioned as an extinct scheme in Iceland; (b) catching method "G" added; (c) Iceland is now subdivided in 27 counties; (d) information received from Kjeld Pedersen, København Scheme: subdivision Denmark updated.
- Aug 28, 2001 (a) Many minor spelling updates; (b) the field "metal ring information" increased; (c) the field "other mark information" increased; (d) the fields "species", "sex" and "age" reduced from 3 to 2 fields; (e) species-list also present now in order of EURING-number (according to Voous, see the field 'Species and subspecies'); (f) the explanation in subdivision 5 in the field "identification number" is enlarged; (g) copyright statement on page 2 updated.
- Sep 3, 2001 (a) A few new bird-species are added; (b) a "note" added to the field "co-ordinates".
- Sep 5, 2001 (a) Coding "broodsize" enlarged; (b) map with subdivisions of Iceland included; (c) in the coding of the field "identification number" was a mistake in "figures/letters", corrected now; (d) the first character in the field "primary identification method" is now conform the first character in the field "other mark information".
- Sep 7, 2001 ISBN number added.
- Oct 1, 2001 (a) Added the scheme (LIU) used in Lithuania in the 1930's and 1940's; (b) some minor corrections.
- Oct 5, 2001 Some minor corrections.
- Oct 19, 2001 Subspecies within *Hippolais pallida* added.
- Oct 25, 2001 Co-ordinates are in degrees, minutes and seconds.
- Dec 12, 2001 New birdspecies added.
- Jan 16, 2002 New birdspecies added.
- Jan 21, 2002 Errors removed in the examples of the field of "Geographical co-ordinates"
- Mar 5, 2002 New birdspecies added.

- Mar 28, 2002 New district codes for Czech Republic added.
- May 6, 2002 New birdspecies added.
- May 14, 2002 Error removed in the examples of the field "Identification number"
- May 15, 2002 (a) Turkey (Ankara, TUA) added as new scheme who issue rings; (b) new bird-subspecies added.
- Jul 8, 2002 new birdspecies added.
- Aug 27, 2002 (a) Old numeric Switzerland added; (b) old code for Gibraltar (NB60) added; (c) old code for Andorra (EK23) added.
- Sep 4, 2002 errors improved in the UK place codes.
- Oct 2, 2002 (a) Added to Benin: formerly Dahomey (XQ00); (b) added old divisions codes of Poland.
- Nov 5, 2002 (a) New birdspecies added; (b) several (very) old, extinct (private ?) schemes are added for just one reason: to distinguish them among other schemes.
- Nov 25, 2002 (a) Minor text changes in the place code for Greece; (b) correction is made in the "Note" in the field "Manipulated".
- Dec 10, 2002 (a) In the field "condition" there was a reference to the coding "-" in the field "date", that reference is changed in "9"; (b) the use of scheme NLL is explained.
- Dec 16, 2002 (a) Minor corrections in the place code in Kazakhstan; (b) new district-code of Slovakia implemented.
- Dec 20, 2002 (a) Sykes's Warbler (*Hippolais caligata rama*) added, [I (GS) do know it is split now from *H. caligata* and is treated as *H. rama* (Birding World 15(9):396), but we still have to deal with the taxonomy of this EURING code]; (b) Olivaceous Warbler (*Hippolais pallida*) is split into Eastern O.W. (*H. pallida*) and Western O.W. (*H. opaca*), (Birding World 14(5):192-219 and 15(9):396). So, still following the taxonomy of this EURING code, Eastern O.W. (*H. pallida*) is 12550 and Western O.W. (*H. pallida opacus*) is 12552.
- Dec 28, 2002 Provinces of Greece: (a) one small textual correction; (b) in a note the differences are explained to the, strictly administrative, divisions as shown in the Times Atlas.
- Feb 5, 2003 A remark from Thord Fransson, Sweden: SVL is for Olov Larsson. Rings from Lund University has only been used for Pheasants and we have no recoveries nor ringing details from this marking project, if it anyhow should be included, we suggest that the code SVX is used.
- Feb 10, 2003 *Chlamydotis undulata undulata*, *C.u.macqueenii*, *C.u.fuertaventurae* added.
- May 21, 2003 One improvement in the schemes listed in order of code.
- Jun 2, 2003 New birdspecies added.
- Aug 3, 2003 Many new bird(sub)species added.
- Aug 11, 2003 Many new bird(sub)species added.
- Aug 28, 2003 (a) Small improvements about 0 (the number zero) en O (the character Oslo) in the geographical subdivisions in Poland (valid from ca. 1970 till 01-Jan-1999); (b) internet "gazetteers" are added (sites where you can find geographical names and co-ordinates), see the field "Place code".
- Sep 2, 2003 (a) One subdivision of Germany added [DEEG (DFEG) GieBen]; (b) due to recent changes the Czech Scheme uses a new coding system for the geographical subdivisions.
- Sep 8, 2003 (a) Since the last General Meeting, EURING has a new secretary, his name and address is in this document; (b) minor spelling corrections.
- Sep 16, 2003 (a) new bird(sub)species added; (b) minor spelling corrections.
- Sep 18, 2003 A few new gazetteers-websites added.
- Sep 23, 2003 Minor spelling corrections.

- Jan 19, 2004 The table with “replaced / removed fields” (page 6) is enlarged with ‘plumage’, ‘previous reports’ and ‘other relatives recovered’.
- Feb 12, 2004 On page 5 pagenumbers updated; well uh... that’s not a major update, but it have to be done sometimes.
- Feb 16, 2004 *Certhia familiaris* subspecies added.
- May 30, 2004 On Belgium (BLB) rings you could always read ‘Bruxelles’. Since about 2003 the same Scheme has also rings with ‘Brussels’.
- Jun 08, 2004 In 2004 the Finnish Scheme did make a start to archive the ringing of bats. They want to use the EURING code as the basics of their administration of bat ringing and recoveries. Therefore a list of European bats is added in Appendix 1 on page 123.
- Jun 30, 2004 Some references to columns and pages are updated.
- Jul 05, 2004 (a) *Larus argentatus mongolicus* added. Yes I (GS) do know it: the Gull taxonomy is in a tremendous state of flux, exactly what is a species or subspecies seems to change with every new field guide and article. As mentioned in the field ‘Species and Subspecies’ (page 22) we do follow Voous (1977) and Vaurie (1959, 1965). Anyway, the bird mentioned here is the ‘Mongolian Gull’;
(b) bookmarks added to the pdf-file.
- Jul 06, 2004 The field ‘Primary Identification Method’ (page 16) does have ‘RØ Flight feather(s) stamped with the ringnumber’. That is not correct, because when a flight feather is stamped with a ringnumber, there is always a metal ring present and *thus* the primary identification method will be ‘AØ Metal ring’. Solution: the text belonging to RØ is changed into ‘Flight feather(s) stamped with a number’. (Thanks to Geert De Smet).
- Jul 14, 2004 Many minor spelling corrections.
- Jul 19, 2004 (a) The two former EURING code manuals, ‘*EURING Code Manual*’ (1966) and ‘*Code Manual New EURING*’ (1979), are now available (pdf) on the website of EURING (www.euring.org) and on the website of the Dutch Ringing Centre (www.vogeltrekstation.nl);
(b) the text from the field ‘EURING code identifier’ (page 116, column 81) is rewritten to be more evident (but the contents is not essentially changed).
- Jul 20, 2004 (a) Improvement about Ø (the number) en O (the character) in the geographical subdivisions in Norway (thanks to Oskar Kenneth Bjørnstad);
(b) throughout this codebook is Ø = the number zero and O = the alphabetic character as in “Oslo”, but there are a few exceptions: a few names of place-codes in Danmark and Norway do have the character ø.
- Aug 02, 2004 One minor improvement in the place coding of France (thanks to Oskar Kenneth Bjørnstad).
- Aug 15, 2004 Appendix 2 is added: a list of sea-mammals.
- Aug 21, 2004 (a) A few coding facilities are added to existing fields. Broodsize: -- bird is not a nestling. Pullus age: -- bird is not a pullus. Accuracy of pullus age: - bird is not a pullus. Distance: ----- on the first record (=ringing data). Direction: --- on the first record (=ringing data). Elapsed time: ----- on the first record (=ringing data);
(b) NB2 added to distance and direction (‘loxodrome’ as preferred computing method).
Both a and b thanks to Lajos Varga.
- Aug 29, 2004 A few minor spelling improvements in birdnames, thanks to Lajos Varga.
- Sep 03, 2004 (a) A few synonyms were present in the birdlist (15153=15140,

- 13800=20370, 16760=20280, 23000=24800, 01900=25900, 22600=26530).
- (b) A few synonyms added to the birdlist because of better-known names: (22400, 23400, 23600, 24900, 25000).
- Both a and b thanks to Lajos Varga.
- Sep 09, 2004 (a) One minor improvement in the place coding of Norway.
(b) Another synonym in the birdlist (00712=20500).
Both a and b thanks to Oskar Kenneth Bjørnstad.
- Oct 12, 2004 Anas (crecca) carolinensis added.
- Nov 01, 2004 (a) At the field "Species and subspecies, as mentioned by the person who handled the bird": Note 3 is not anymore a note, but a remark, and a new Note 3 and Note 4 are added.
(b) Some (sub)species added.
- Nov 25, 2004 (a) At the field "Manipulated" the text belonging to "N" is changed: old text was "Normal healthy bird, released at place of capture within 24 hours", new text is now "Normal, not manipulated bird".
(b) A few coding facilities are added to existing fields:
Catching method: - (one hyphen): no catching method used (because the bird is not caught but found or shot).
Catching lures: - (one hyphen): no lures used (because the bird is not lured and caught).
- Dec 07, 2004 Two species added: Nettapus auritus, Coturnix delegorguei.
- Dec 09, 2004 One species added: Phylloscopus bonelli orientalis.
- Dec 16, 2004 One species added: Psittacula eupatria.
- Jan 11, 2005 Two species added: Euplectes albonotatus and Sitta europaea caesia.
- Jan 17, 2005 A note is added to the field 'Status'.
- Jan 26, 2005 A few subspecies are added.
- Feb 10, 2005 On behalf of the BTO are 557 (!) species added.
- Feb 15, 2005 A few place codes are added: +J00 = islands in the Indian Ocean; -J00 = Indian Ocean; EV00 = Eritrea (former belonging to Ethiopia); IO00 = British Indian Ocean Territories; MU00 = Mauritius (incl. Rodrigues Island); MV00 = Maldives; RE00 = Reunion; SC00 = Seychelles; TF00 = French Southern Territories (Crozet Islands, Kerguelen, St. Paul Island, Amsterdam Island); KM00 = Comoros; YT00 = Mayotte.
- Feb 21, 2005 A few birdspecies are added: 11871 Catharus minimus minimus, 11872 Catharus minimus bicknelli, 13431 Ficedula parva parva, 13432 Ficedula parva albicilla.
- Feb 26, 2005 A few birdspecies added: 01664 Branta canadensis hutchinsii; 26660 Tadorna cana; 26650 Tadorna radjah; 26670 Tadorna tadornoides; 26680 Tadorna variegata; 26690 Amazona oratrix; 02152 Melanitta fusca deglandi; 02132 Melanitta nigra americana; 00482 Puffinus assimilis baroli; 04783 Charadrius mongolus atrifrons; 26690 Amazona oratrix; 12722 Sylvia hortensis crassirostris.
- Mar 24, 2005 One birdspecies added: Pachyptila belcheri = 26700.
- Mar 30, 2005 One birdspecies added: Centropus superciliosus = 26710.
- April 06, 2005 On behalf of Copenhagen about 110 species are added.
- April 27, 2005 A few birdspecies are added.
- Aug 05, 2005 A new Scheme added: Lebanon.
- Aug 06, 2005 Several improvements to the birdspecies-list. Thanks to Oskar Kenneth Bjørnstad.
- Nov 23, 2005 Status (column 38), one coding added: - bird not full grown (one 'hyphen').

- Jan 16, 2006 Three countries added: French Guiana GF00, Oman OM00 and Suriname SR00.
- Jun 02, 2006 One birdspecies added: Neochen jubata = 27900.
- Jun 19, 2006 Accuracy of co-ordinates (column 76): three codings added (6, 7 and 9).
- Oct 03, 2006 A few birdspecies are added.
- Oct 24, 2006 An improvement to the birdspecies-list. Thanks to Olaf Runde.
- Nov 20, 2006 In the field 'Circumstances' (column 78-79) code 20 is "*hunted, trapped, poisoned intentionally by man (NB: not shot). Not for reasons set out 21-26 below*". There was also a remark present: "*All captures (=ringing data) and recaptures (caught and released)*". That remark is nonsense and now removed, because there is written "*not for reasons set out 21-26 below*".
- Nov 20, 2006 In the field 'Circumstances' (column 78-79) in code 20 there is written "*Not for reasons set out 21-26 below*". That is not correct because the codes 27, 28 and 29 are also used for ringing data (only 27), recoveries and recaptures. Therefore the remark "not for reasons set out 21-26 below" is change in "not for reasons set out 21-29 below".
- Nov 20, 2006 In the field "Manipulated" (column 30) there was no code for unknown / unrecorded. Unknown is added now as 'U'.
- Nov 20, 2006 In the field "Accuracy of pullus age" (column 43) there was no code for unknown / unrecorded. Unknown is added now as 'U'.
- Feb 21, 2007 Subspecies added to Somateria mollissima, Luscinia megarhynchos and Parus ater. One area-code added: Falklands Islands = FK00.
- May 21, 2007 A new scheme is added: Jordan, Zarqa = JOZ.
- May 25, 2007 Pagenumbering updated in the list of contents.
- July 17, 2007 The collective 'Central America' is now mentioned in the field "Place Code" (column 57-60) with the concerning countries. The preferable coding has been changed from CA00 to CA--.
- Aug 08, 2007 Minor spelling update.
- Aug 09, 2007 Diagram added (page 6) to illustrate the EURING 2000 code.
- Aug 13, 2007 A few birdspecies are added: 27990 Balearica regulorum, 27991 Balearica regulorum regulorum, 27992 Belearica regulorum gibbericeps, 30601 Balearica pavonina pavonina, 30602 Balearica pavonina ceciliae.
- Sep 18, 2007 Montenegro and Serbia are independent countries now, so the Scheme YUB is now extinct and a new Scheme is introduced: RSB = Serbia, Belgrade. Accordingly, the country Yugoslavia (YU--) does not exist anymore. Two new countries are added: Montenegro (ME00) and Serbia (RS00).
- Sep 24, 2007 The correct name of the country Serbia is: Republic of Serbia.
- Dec 04, 2007 Three species added: Anas erythrorhyncha (28000), Anumbius annumbi (28020) and Francolinus erckelii (28010).
- Dec 17, 2007 Diagram for record structure (page 6) updated.
- Jan 08, 2008 Explanation in the field 'Place Code' is enlarged.
- Jan 23, 2008 A few codes for hybrids are added.
- Jan 24, 2008 Since January 01, 2007 Denmark is divided in five (5) new regions.
- Jan 29, 2008 Remarkable: the list with birdspecies in this codebook is present since the year 1998 and yesterday evening I discovered a fault. Code 08390 was written as "Merops persicus/superciliosus". According to Voous and Vaurie this is improved.
- Mar 04, 2008 Two subspecies added: Brachyramphus marmoratus marmoratus (06411) and Brachyramphus marmoratus perdix (06412).
- Mar 05, 2008 Five subspecies added to the species Paradoxornis webbiana: P.w.w.

- (13701), P.w.suffusa (13702), P.w.fulvicauda (13703), P.w.mantschurica (13704) and P.w.alphonsiana (13705).
- Mar 17, 2008 Sofia Scheme did send a new subdivision (valid since 1998) of their country.
- Apr 21, 2008 A phrase is added, just at the beginning of the Place Code: "*The purpose of the Place Code is solely to identify particular geographical areas in terms of current administrative regions. No political statements are implied by any of these codes*".
- May 21, 2008 Two Place Codes are added: WB00: West Bank and GS00: Gaza Strip. A more specific subdivision of the Euring Species Code has been made (Note 5 in the field Species and Subspecies).
- Mar 27, 2008 A species is added: Anas bernieri (28030), also known as Quelquedula bernieri, Madagascar Teal, Bernier's Teal.
- Jun 08, 2008 On request of the German Scheme Wilhelmshaven (DEW) the area 'DEGB Braunschweig (incl. Hildesheim)' is changed in 'DEGB Braunschweig'.
- Oct 13, 2008 "Factors affecting recovery chances" added in "Replaced / Removed Fields". Note 6 added in "Species and Subspecies".
- Oct 29, 2008 New Caledonia (NC00) is added to the field " Place Code".

Foreword	3
Introduction	4
List of overall contents	5
List of actual fields	5
Replaces / removed fields	6
Actual fields of the code	7 – 128
Thanks	129
Appendix 1. List of bats	131
Appendix 2. World-list of sea-mammals.	132
Update information	135