

The Ornithological Society of the Middle East, the Caucasus and Central Asia (OSME)

The OSME Region List of Bird Taxa: Part E, Hypothetical Taxa, Version 3.3-a: July 2016, lists non-passerines (prefixed by 'N') and passerines (prefixed by 'P') whose occurrence is unproven until and unless adequate documentation is provided and accepted. We leave to others predictions of the likelihood of any of the taxa below occurring in the OSME Region. References cited below are in the Non-passerine Reference List, Part B, and the Passerine Reference List, Part D. We also append a small table of taxa that have been removed from this list after assessment of improved distributional evidence

Rows shaded thus and with yellow text denote summaries of problem taxon groups in which some closely-related taxa may be of indeterminate status or are being studied.

Rows shaded thus and with white text contain additional explanatory information on problem taxon groups as and when necessary.

English names shaded thus are species on BirdLife Tracking Database, <http://seabirdtracking.org/mapper/index.php>. Only a few individuals from very few colonies are involved.

A broad dark orange line, as below, indicates the last taxon in a new or suggested species split, or where ssp are best considered separately.

The taxa in the Table below have not been documented sufficiently as occurring in the OSME Region. Some, especially the seabirds, probably have occurred in that part of the Indian Ocean above 10°N and west of 61°37' 03"E (longitude of Pakistan-Iran coastline). Others have been suggested by knowledgeable observers as possible vagrants or wanderers. However, for quite a few species, the likelihood of such vagrancy is much reduced by shrinking distribution ranges. Furthermore, much habitat degradation has taken place in areas of specialist dry open forests, where human population movements across these areas have seen the trees and bushes disappear as firewood. Moreover, the paucity of observations over much of the OSME Region means former and present distributions often are poorly known, often patchily at best. It is therefore vital that any sightings are recorded comprehensively and forwarded for scrutiny. On-line reports are insufficient evidence by themselves; many such reports have been examined - some claimed species are not included here. To be accepted, records require authors to respond to genuine enquiry and to be prepared for often lengthy correspondence and discussion.

Key: In the first column of the Tables below, N = Non-passerine, P = Passerine.

Notes

1. **PT=Parent Taxon** (used because many records will antedate splits, especially from recent research) – we use the concept of **PT** with a degree of latitude, roughly equivalent to the formal term *sensu lato*, 'in the broad sense'.
 2. The term 'reported' indicates the occurrence is unconfirmed.
 3. **English names:** unused IOC names appear in curly brackets {...}, alternative names in round brackets (...), superseded (re-allocated) names in square brackets [...].
 4. **Scientific names:** we use square brackets [...] to indicate superspecies that comprise two or more allopecies – we use the same convention for semispecies – and we use round brackets (...) where the status of a taxon is not entirely clear-cut; eg the evidence may not be wholly convincing and subject to debate, it may not yet fully available, we may have overlooked it or not found it, or the evidence on one part of a taxon's range may differ from that in another (Our 'don't know category').
 5. Green shading eg Black-billed Capercaillie indicates likely former presence in the OSME Region. **Red font** indicates material added since the previous ORL version
 6. Distribution maps in many references are imprecise.
 7. We also list separately those taxa that we have deleted from the Hypothetical List because the evidence does not support their candidacy.
- Other conventions adopted are explained in the [Ornithological Basis](#) of the ORL.

Please contact us if you have any information that supports the presence of these or any other unlisted species in the OSME Region.

NON-PASSERINES, English Name	Family, Species or Taxon	Working Notes
	Anatidae	Many anatis spp continue to be introduced, particularly because many cultures have a long history of bird-keeping, but also because of developing prosperity funding the trade in exotics Blackburn <i>et al</i> 2015.
N1 White-faced Whistling Duck	<i>Dendrocygna viduata</i>	Monotypic African/S American sp. Recorded Wadi Halfa Sudan (120km ² grid 21°N, 31°30'E) adjacent to Egyptian border, pre-Lake Nasser Nikolaus 1987. NB Distributed W to C & S America & S to Madagascar
N2 Pink-footed Goose	<i>Anser brachyrhynchus</i>	Monotypic. Considered vagrant Turkey Kirwan <i>et al</i> 1999, but removed from Turkish List Kirwan <i>et al</i> 2008.
PT Greylag Goose PT	<i>Anser anser</i>	Parent Taxon: possible potential split, but separation distance 1%, strongly supporting ssp status Ruokonen <i>et al</i> 2000; treated here as separate groups within <i>A. anser</i> . NB Collar 2013 counsels caution on conflicting morphological/reproductive isolation and molecular data as to assigning rank
N3 Western Greylag Goose (Greylag Goose)	<i>Anser anser anser</i>	It now seems likely that that most, perhaps all previous reports and records of this taxon occurring in the Region should refer to <i>rubrirostris</i> Raffael Ayé <i>in litt</i> Jun 2014. Even though Delaney <i>et al</i> 2014 list taxon <i>anser</i> as breeding in SW Siberia & wintering in the Caspian. this is questionable, given they also attribute this taxon to Turkey, <i>contra</i> Kirwan <i>et al</i> 2008. However, it is not unlikely that the nominate occasionally or even regularly in small numbers wanders to Turkey, or even winters there (Guy Kirwan pers comm), but we think it highly unlikely that resident or visiting birders ever check the ssp identity. Notwithstanding that H&M4 give distribution of <i>anser</i> as wintering in the Middle East, we have removed taxon <i>anser</i> to the Hypothetical List, but hope to clarify this matter further.
N4 Muscovy Duck	<i>Cairina moschata</i>	On Avibase website Israel list Aug 08 as Introduced. WCMC do not include feral/introduced/escaped domestic birds (usually mostly white with black markings, whereas wild birds are black with white) outside New World
N5 Hottentot Teal	<i>Anas hottentota</i> (<i>Spatula hottentota</i> H&M4)	Monotypic. Bred Khartoum Sewage Ponds Feb 2014 <i>ABC Bull</i> 21(2). Recorded Djibouti 2014 Hering <i>et al</i> 2015.
PT Spot-billed Duck PT	<i>Anas poecilorhyncha</i>	Re Parent Taxon ; split from Eastern Spot-billed Duck <i>A. [p] zonorhyncha</i> (IOC v1.6, AOU,R&A 2005, H&M4). (qv Non-passerine List)
N6 Indian Spot-billed Duck	<i>Anas [poecilorhyncha] poecilorhyncha</i>	2 ssp, nominate nearer to region, <i>haringtoni</i> SE Asia, China. Reported Uzbekistan K-M&K 2005, but doubtful record Ayé <i>et al</i> 2012, Koblik & Arkhipov 2014; R&A 2012 map breeding Pakistan close to Khyber & Khojak (Chaman) Passes, BirdLife Datazone map Jun 2016 maps even closer; likely occurs in Afghanistan, but is a traded species. Introduced Oman, Lever 2005 App B, Porter & Aspinall 2010 (1995 OBL7). NB Westernmost northern breeding populations in westward range expansion up to 1990 at Rogacheva 1992. Resident Indus delta Pakistan Roberts 1991, 31 recorded Punjab 2003 Ali & Akhtar 2005, has bred close to Afghan border Grimmett <i>et al</i> 2009; may occur Iran or Afghanistan early in monsoon season when seeking breeding habitat. Reeber 2015 maps just into Afghanistan, but on small map of a large distribution.
N7 Baer's Pochard	<i>Aythya baeri</i>	Monotypic. Lone nearest acceptable record from not too distant GJurat, Punjab, Pakistan, 1957 – skin in BMNH Roberts 1991. Occurs Mongolia Bräunlich 2012
N8 Harlequin Duck	<i>Histrionicus histrionicus</i>	Monotypic. On Avibase website Kazakh list Aug 08. Suspect this is a resurrection of Zarudny's 1888 record of a shot specimen described as being near Orenburg; in Imperial Russia such records sometimes just refer to the nearest large city, even if distant from it. Orenburg lies over 50km north of modern westernmost Kazakhstan. G&G 2005 also rejected it as a Kazakh record, although it occurs in not-too-distant Mongolia Bräunlich 2012.
	Phasianidae	
N9 Black-billed Capercaillie	<i>Tetrao uragaloides</i>	2 ssp, nominate much nearer than <i>kamschatkaensis</i> ! Unlikely any modern records due to severe range contraction, but has reached 86°30' E, 67°30' N in Krasnoyarsk Republic Rogacheva 1992. Mongolian population too remote? Name <i>uraloides</i> has priority over <i>parvirostris</i> H&M4.
N10 Yellow-necked Spurfowl	<i>Pternistis leucoscepus</i>	Monotypic. Northernmost known range E South Sudan. Escapes encountered in UAE, but not proven breeding Aspinall & Porter 2011
N11 Tibetan Partridge	<i>Perdix hodgsoniae</i>	Occurs Ladakh, population overall is large, not known to be declining. Possibly occurs westernmost Tibet close to Afghan Wakhan.
N12 Japanese Quail	<i>Coturnix japonica</i>	Monotypic. Possibility of irruption from Mongolian population into Kazakhstan? NB Sanchez-Donoso <i>et al</i> 2012 identified genetically the domestic form as releases into the wild in Spain; the assumption is that knowingly or otherwise, veterinarians had certified the releases as Common Quail <i>C. coturnix</i> . This may also have happened in the OSME Region.

N13	Rain Quail (Black-breasted Quail)	<i>Coturnix coromandelica</i>	Monotypic. Possibly irregular late Jun early Jul irruptive overshoot into Afghanistan and Iran from regular (after rains) migrant breeders in Pakistan in years of exceptional monsoons; Roberts 1991, map in Grimmett <i>et al</i> 2009. Increase in irrigation ponds may assist during irruptions. On Avibase website Afghanistan list Aug 08 without source cited; similarly Ladakh 2003 list.
N14	Red Junglefowl	<i>Gallus gallus</i>	On-line for Afghanistan, M&M 2002 & HBW2 reject. H&M4 doubtfully assume ssp <i>murghi</i> Kashmir uninfected by genetic mixing with domestic chickens. Long history of introductions to W Asia, to Americas via E Asia Lever 2005. Highly likely historical occurrence, but no certain record; nearest extant population mapped in NW India R&A 2012. Present extent of chicken farming makes introgression of domestic/feral chicken genes ubiquitous. NB some historical confusion from scientific ignorance of local names applying to more than one species? Roberts 1991
		Procellariidae	Change to <i>Ardenna</i> for some <i>Puffinus</i> originally argued in Christidis & Boles 2008 now generally accepted. H&M4 adopts some changes to <i>Ardenna</i>, & resequences families, genera & within genera, which IOC5.4 largely follows, Procellariidae to follow a reduced Hydrobatidae Hackett <i>et al</i> 2008. NB Indian Ocean seabird occurrence often correlates with phytoplankton concentrations (intensities vary seasonally), whose locations also affected by variation in annual pattern of ocean currents, hence birds sometimes absent, but may also occur unexpectedly.
N15	Southern Giant Petrel	<i>Macronectes giganteus</i>	Monotypic. Possible vagrant, given one found dead at Lac Assal Djibouti in 1991 Redman <i>et al</i> 2009. NB some evidence (Penhallurick & Wink 2004) for the two Giant Petrels to be just ssp of <i>giganteus</i> , but this wide-ranging paper has not achieved consensus.
N16	White-headed Petrel	<i>Pterodroma lessonii</i>	Monotypic. R&A 2005 note unconfirmed occurrence Sri Lanka. Highly unlikely in OSME Region.
N17	Kermadec Petrel	<i>Pterodroma neglecta</i>	2 ssp Pacific breeding ground, nominate & <i>juana</i> , the latter possibly taxon that once bred Cousin, Seychelles, otherwise vagrant there Sinclair & Lagrand 2013. BirdLife Datazone Nov 2015 maps occurrence around Mauritius, 10° below the OSME Region southernmost latitude.
N18	Mascarene Petrel (Réunion Petrel)	<i>Pseudobulweria aterrima</i>	Monotypic. Réunion breeding endemic, exceptionally rare. RNBWS reports (different observers) Sep (12:50:0.0N+45:0:0.0E) & Dec 57 (15:0:0.0N+65:0:0.0E) attributed to this species, originally identified in previous taxonomy as Réunion Petrel <i>Pterodroma aterrima</i> , but <i>Sea Swallow</i> Sighting reports sceptical, as ID character and status of Jouanin's Petrel <i>Bulweria fallax</i> became known; Jouanin 1957 revisited old records from Region & reattributed them to Jouanin's Petrel <i>Bulweria fallax</i> & Persian Shearwater <i>Puffinus persicus</i> . R&A 2005, 2012 treat as hypothetical in Indian Ocean. NB1 Gangloff <i>et al</i> 2012 show others in this critically endangered genus separated from <i>aterrima</i> 7Mya; <i>aterrima</i> breeding locations and habitat known in one part (burrows Shirihai <i>et al</i> 2014), possibly also on sea-cliffs (not extensive on Réunion) or inland cliffs as well as on more of the many steep canyons on Réunion. BirdLife Datazone Nov 2015 maps occurrence around Réunion, 10-12° below the OSME Region southernmost latitude. NB2 in 1950s, Réunion Petrel known only from four 19 th -century specimens – WRP Bourne pers comm.
N19	Tahiti Petrel	<i>Pseudobulweria rostrata</i> (formerly <i>Pterodroma rostrata</i>)	Abundant species ssp <i>rostrata</i> occurring off northern coasts of Western Australia, probably breeds in the Bismarck Sea & thus likely to occur in northern Indian Ocean (JA Bartle pers comm cited in van den Berg <i>et al</i> 1991); other ssp <i>trouessarti</i> wholly extralimital, breeds Vanuatu.
PT	Macaronesian Shearwater PT	<i>Puffinus [Iherminieri] baroli</i>	PT Extralimital Boyd's Shearwater <i>P.[I.] boydi</i> split from Macaronesian Shearwater IOC2.8, previously treated as ssp <i>P.[I.] baroli boydi</i> ; note that IOC4.3 sequences as more closely related to <i>P. assimilis</i> Little Shearwater than to <i>P. Iherminieri</i> .
N20	Boyd's Shearwater	<i>Puffinus [Iherminieri] boydi</i>	Monotypic Austin <i>et al</i> 2004. Vagrancy possible, especially since timescale of recent taxonomic separations short, and majority of records antedate splits, but sole known breeding location Cape Verde Islands. Hypothetical report Turkey Western Anatolia Kirwan <i>et al</i> possibly this taxon or <i>P.baroli</i> , Barolo Shearwater (see Non-passerine List).
		Ciconiidae	
N21	Painted Stork	<i>Mycteria leucocephala</i>	Monotypic. R&A 2012 map wintering distribution close to Khyber (rare); vagrancy to Afghanistan possible. Escape record 2 birds Oman 1986 OBL7 .
N22	Black-necked Stork	<i>Ephippiorhynchus asiaticus</i>	Single isolated record ssp <i>asiaticus</i> W Pakistan coast, very close to Iran R&A 2012.
		Ardeidae	
N23	von Schrenk's Bittern	<i>Ixobrychus eurhythmus</i>	Monotypic. Erroneously listed (no citation) several 'Egypt' lists, but may well wander to easternmost OSME Region. Has reached Italy (2015 AERCTAC WP List)
PT	Intermediate Egret PT (Yellow-billed Egret)	<i>Ardea intermedia</i> { <i>Egretta intermedia</i> } (AOU prefers <i>Mesophoxys</i>)	del Hoyo <i>et al</i> 2014b split to Yellow-billed Egret of Africa <i>E. brachyrhynca</i> (see Hypothetical species), Intermediate Egret of Indian subcontinent & Plumed Egret <i>E. plumifera</i> of New Guinea & Australia. NB Sangster <i>et al</i> 2015 note close phenotypic proximity of Intermediate and Great Egrets whose genetic divergence is no greater than that between Grey & Purple Herons, mitigating against separate genera for the former pair, given that reciprocal monophyly between the proposed <i>Cameroedius</i> & <i>Ardea</i> remains poorly supported; Intermediate Egret is thus best placed in <i>Ardea</i> . H&M4 agrees.
N24	Yellow-billed Egret	<i>Ardea (intermedia) brachyrhynca</i> (formerly <i>Egretta (intermedia) brachyrhynca</i>)	Widespread in Africa, may wander across the southern Red Sea from African coastal habitat. NB Australian-New Guinea extralimital populations split as Plumed Egret <i>A. plumifera</i> by del Hoyo & Collar 2014b on Tobias <i>et al</i> 2010 criteria: noted also in Inskipp & Collar 2015
PT	Western Reef Heron PT	<i>Egretta gularis</i>	Worthwhile separate listing on allopatry <i>pro tem</i> ; extralimital <i>E.(g.) gularis</i> occurs western Africa, <i>E.(g.) dimorpha</i> Madagascar islands. del Hoyo <i>et al</i> 2014c separate <i>E. gularis</i> from Pacific (Eastern) Reef Heron, but retain as ssp <i>schistacea</i> & <i>dimorpha</i> . Parkin & Knox 2010 note phylogeny of Little Egret <i>E. garzetta</i> & <i>E. gularis</i> would benefit from molecular analysis (as would placement of extralimital Pacific Reef Egret <i>E. sacra</i>).
N25	Dimorphic Egret (Mascarene Reef-egret)	<i>Egretta (gularis?) dimorpha</i>	Monotypic. RNBWS report dark-morph May 95 Aden at 12:52:0.0N+45:1:0.0E, but database entry does not eliminate Indian Reef Heron <i>E.(g.) schistacea</i> . H&M4 retains as ssp of Little Egret <i>E. garzetta</i> . NB A detailed study of all taxa in the Little Egret and the Eastern/Western Reef Egret complex (<i>sensu lato</i>) is needed to establish the relationships of these taxa.
		Pelecanidae	
N26	Spot-billed Pelican	<i>Pelecanus philippensis</i>	Monotypic. Possibly historical Seistan/Sistan or Iraq marshes. Certainly scarce but regular N Gujrat, India R&A 2012. Declining, globally vulnerable.
		Accipitridae	
N27	Indian Vulture (Formerly Indian Long-billed Vulture)	<i>Gyps indicus</i>	Monotypic. Straggler Afghanistan Smith 1974 (this record inadequate R&A 2012), also to eastern CA (rare vagrant Nuristan Argandeval 1983 (doubtful Ayé <i>et al</i> 2012), rare resident Pakistan Naorji 2006). However, drastic population crash through diclofenac poisoning disease makes recurrence in OSME Region unlikely F-L&C 2005, Chris Bowden 2007 pers comm, since core populations now E & S of Pakistan/India border Arshad <i>et al</i> 2009. Included H&M3 corrigenda E Dickinson pers comm
N28	Slender-billed Vulture	<i>Gyps tenuirostris</i>	Monotypic. Possibly once irregular winter visitor to Iranian S Baluchestan (Baluchistan) Zarudny 1911.
N29	Red-headed Vulture (King Vulture)	<i>Sarcogyps calvus</i> (formerly <i>Torgos calvus</i>) (R&A 2012 place in <i>Aegyptus</i>)	Monotypic. Formerly recorded in Pakistani Balochistan, adjoining Iranian Baluchistan, pre-1950s, Roberts 1991. This region's pre-1950s characteristic open woodland has now largely disappeared due to human population increases causing deforestation. Zarudny 1911 sight records S Baluchestan Iran, status unknown. Occurred Tharparker Desert Pakistan 2002 (Nadeem <i>et al</i> 2007). Diclofenac poisoning renders current occurrence in OSME Region unlikely Chris Bowden Nov 2007 pers comm.

N30	Eastern Chanting Goshawk	<i>Melierax poliopterus</i>	Monotypic. Given that its Horn of Africa distribution is wider than that of Dark Chanting Goshawk <i>M. metabates</i> (qv Non-passerine list) and that the two species closely resemble each other (Redman <i>et al</i> 2009), it may have been overlooked in Yemen. Apr 2014 Israel report assigned to Dark Chanting Goshawk <i>M. metabates</i> , although an anomalously marked individual.
N31	Japanese Sparrowhawk	<i>Accipiter gularis</i>	<i>A.g sibiricus</i> breeds montane pine forests N of easternmost Kazakhstan in Altai just outside Region HBW Alive, H&M4 W to c80°E (F-L&C 2005), uncommon-rare, but regular breeder Krasnoyarsk Republic (c85°E) Rogacheva 1992. Likely wanderer to easternmost Kazakhstan from Russian & Mongolian Altai population. Very secretive breeder in montane pine forests; Mark Brazil <i>in litt</i> . NB Forms superspecies with Besra <i>A. virgatus</i> .
N32	Besra (Besra Sparrowhawk)	<i>Accipiter virgatus</i>	<i>ssp affinis</i> mapped as summer breeder in R&A 2012 to N Pakistan close to Wakhan panhandle (Afghanistan). H&M4 give its westernmost breeding range as Kashmir. NB Forms superspecies with Besra <i>A. gularis</i> .
N33	Pied Harrier	<i>Circus melanoleucos</i>	Monotypic. One sight record of straggler close to Region boundary in not too distant Salt Range in N-C Pakistan Dec 85, Mark Mallalieu <i>in litt</i> to TJ Roberts. Rare winter records Pakistan not too far from Khyber R&A 2012. Occurs not too far away in Mongolia Bräunlich 2012.
N34	'African Black Kite'	<i>Milvus (aegyptius) parasitus</i> (formerly <i>Milvus (migrans sensu lato) parasitus</i>)	Relationship with taxon <i>aegyptius</i> as per IOC3.3. Although conventionally this taxon thought to be remote in Africa from Region, the resident populations on Sudan's Red Sea coast, traditionally assigned as <i>M.[m.] aegyptius</i> Yellow-billed Kite, actually have black bills Nikolaus 1987; an isolated population of uncertain affinities? Nikolaus 1987 also notes the widespread presence not only of yellow-billed <i>aegyptius</i> in Sudan, but also of yellow-billed ' <i>parasitus</i> ', seemingly in sympatry. The work of Scheider <i>et al</i> 2004 & Johnson <i>et al</i> 2005 does not accommodate Nikolaus 1987 nor adequately address these populations. <i>Pro tem</i> , we suggest the occurrence in Egypt of ' <i>parasitus</i> ' as assigned by Nikolaus 1987 very possible, but clarification of taxon identities may require revision, perhaps even involving ancestral link to Red Kite <i>M. milvus</i> . See also entries in ORL Non-passerine section on <i>Milvus</i> taxa.
PT	Buzzard/Common Buzzard PT	<i>Buteo buteo</i>	PT IOC2.0, H&M4 accepted split of <i>B. japonicus</i> and also of Himalayan Buzzard <i>B.(b.) refectus</i> Lerner <i>et al</i> 2008; IOC2.7 revised as <i>B. burmanicus</i> ; this name has priority (Penhallurick & Dickinson 2008) over <i>refectus</i> : the priority case therein was compiled & inserted by the lead author alone; this discord is superseded by Dickinson & Svensson 2012, in which the name <i>B. hodgsoni</i> is erected for (extralimital) eastern Himalayan populations. However, exactly which populations comprise <i>burmanicus</i> , <i>japonicus</i> or even <i>hemilasius</i> is far from clear. Kruckenhauser <i>et al</i> 2004 note that <i>B. buteo</i> can be regarded as a superspecies with <i>rufinus</i> taxa. Lindholm & Forsten 2013 suggest a practical <i>pro tem</i> arrangement would confine <i>B. japonicus</i> to Japan & islands Korea & Manchuria, with <i>burmannicus</i> being a migrant breeder in N China & Siberia & <i>refectus</i> being the taxon in Himalayas & C China mountains, but as <i>ssp</i> of <i>japonicus</i> (Perhaps worth a small wager?). NB Dickinson & Walters 2006 originally had recommended priority for <i>B. plumipes</i> , now superseded by <i>hodgsoni</i> .
N35	Himalayan Buzzard	<i>Buteo [b.] japonicus burmanicus</i>	IOC1.7 elevates to full species <i>B. japonicus</i> Kruckenhauser <i>et al</i> 2004, Lerner <i>et al</i> 2008. Lindholm & Forsten 2014 suggest that <i>burmannicus</i> populations are migrant breeders in N China & Siberia, and so would occur in the Region only as vagrants. Although some authorities have made synonymous <i>B.(b.) burmanicus</i> Hume 1875 & <i>B.(b.) refectus</i> Portenko 1935, which would give <i>burmanicus</i> priority, it is doubtful whether both names have been applied scrupulously and consistently to the same breeding distributions. We adopt the slightly speculative but nevertheless practical proposals of Lindholm & Forsten 2014. NB1 re validity of <i>burmanicus</i> and implications, see PT Notes above.
		Otididae	
N36	Nubian Bustard	<i>Neotis nuba</i> (<i>Ardeotis nuba</i> H&M4)	Monotypic. May just wander to southern Egypt from its distribution in northern Sudan, where now scarce
N37	Lesser Florican	<i>Sypheotides indicus</i>	Monotypic. Cited (entry 158) in Zarudny 1911 (as <i>Sypheotis aurita</i>) as irregular Iran; in SE (Baluchestan) and S-C (easternmost Mesopotamian plain) into Iraq. No known specimen, but typical grassy habitat patches then existed in both locations. Present westernmost range c70°E, but R&A 2012 map (former?) summer breeding range to Mekran Coast at c64°E. Former occurrence Afghanistan possible. NB1 Moore & Boswell 1941-6, 1956, under 'Little Bustard', state: "...Mention may here be made of a bird shot 2 miles from Abu Sef at Mosel in January 42 by Brig(adier) Corrie. This was examined by Williamson (for info that is W E Williamson) and thought to be a female Florican (<i>Sypheotides indica</i>). He describes it as a huge and very long necked quail, not bigger than a Houbara. It would be very interesting if this bird's presence could be confirmed. It may be an accidental wanderer" Richard Porter pers comm. NB2 all above scientific names synonymous
		Gruidae	
N38	Black Crowned Crane	<i>Balearica pavonina</i>	On WBDB 2008 Egypt checklist as vagrant. Various claims in Egypt, but authentication not possible to modern standards BinE 2009 NB Locally abundant Sudan below Khartoum (<i>ssp ceciliae</i>) Ethiopia, albeit W of 40°E Ash & Atkins 2009.
N39	Sarus Crane	<i>Grus antigone</i> (<i>Antigone antigone</i> H&M4)	Monotypic. Pre-20th-century reports in their various lists by Nordmann & Pallas, Radde & by Dementiev & Gladkov as occasional vagrant to Caucasus Caspian hinterland, but no confirmed record. Does occur winter Gujrat, NW India.
N40	Black-necked Crane	<i>Grus nigricollis</i>	Monotypic. Resident Ladakh NW India, S Tibet R&A 2012, may wander.
		Turnicidae	
N41	Yellow-legged Buttonquail	<i>Turnix tanki</i>	Irregular after rains; <i>ssp tanki</i> possible overshoot to Afghan Kurram valley from Pakistan. See map Grimmett <i>et al</i> 2009, R&A 2012, citing 'movements unclear'. NB Only the female calls; polyandrous.
		Burhinidae	
PT	Eurasian Stone-curlew PT (Eurasian Thick-knee)	<i>Burhinus oedicnemus</i>	Re Parent Taxon , IOC v2.0 accepts split of Indian Stone-curlew <i>Burhinus [oedicnemus] indicus</i> - R&A 2005; H&M4 remains unsplit, noting lack of genetic data Martens & Bahr 2007, but Inskipp & Collar 2015 note del Hoyo & Collar 2014b agree split on Tobias <i>et al</i> 2010 criteria. See ORL Non-passerine List
N42	Indian Stone-curlew (Indian Thick-knee)	<i>Burhinus [oedicnemus] indicus</i>	Monotypic. C Pakistan and eastwards, but may wander to ample suitable habitat Afghanistan or Iran; given ID difficulties, possibly missed already; UAE Checklist 2008 urges vigilance. NB Zarudny 1911 noted that his <i>B.(o.) oedicnemus</i> specimens collected in S&E Iran accorded with Salvadori's 'intermediate' form of " <i>B.(o.) indicus</i> Salvadori 1865". Possibly recorded Jan 2009 Winkel <i>et al</i> 2010.
		Charadriidae	
N43	White-fronted Plover	<i>Charadrius marginatus</i>	African sp, 4 <i>ssp</i> , <i>mechowi</i> nerest population by far. Coastal breeder, suspected by Ash & Atkins 2009 of breeding in low numbers along the Eritrean coast; not unlikely therefore along Yemen Red Sea coast.
		Scolopacidae	NB BOU (Sangster <i>et al</i> 2012) & CSNA both resequence <i>Tringids</i> (including <i>Actitis</i> , <i>Xenus</i>), but we await any IOC reassessment. Sangster <i>et al</i> 2012 also decline to rearrange the calidrine sandpipers, unlike several other authorities. H&M4 resequenced families, genera & within genera, but we remained with IOC sequencing. Now, Gibson & Baker 2012 from a wide-ranging molecular study propose subsuming <i>Tryngites</i> , <i>Limicola</i> & <i>Philomachus</i> in <i>Calidris</i> & <i>Heterosculus</i> & <i>Actitis</i> in <i>Tringa</i> , but Huang & Tu 2016 convincingly establish both <i>Tringa</i> (+ <i>Heterosculus</i>) & <i>Calidris</i> in monophyly, the position of IOC6.2, although Huang & Tu also establish clades within both. <i>Pro tem</i> , we align with these clades and retain <i>Tryngites</i> , <i>Limicola</i> , <i>Philomachus</i> & <i>Actitis</i> iaw IOC6.2. Huang & Tu 2016 also demolish the case for <i>Ereunetes</i> as a full genus.

N44	Nordmann's Greenshank	<i>Tringa guttifer</i>	Not included by & hence unplaced in Huang & Tu 2016. Monotypic. Very unlikely, but like congeners, capable of wandering long distances – worth checking warm water coasts. Documentation?
N45	Grey-tailed Tattler	<i>Tringa brevipes</i> (formerly <i>Heteroscelus brevipes</i>)	Monotypic (Change of taxonomy Sangster <i>et al</i> 2007, H&M4, although Livezey 2010 reverted to <i>Heteroscelus</i>) Notorious wanderer. Permanent breeding grounds known near 86°30' E, 67°30' N in Krasnoyarsk Republic Rogacheva 1992. Migration through western Mongolia HBW 3.
N46	Indian Courser	Glareolidae <i>Cursorius coromandelicus</i>	Monotypic. Scarce resident eastern half of Pakistan, strongly nomadic after monsoon, well-adapted to fallow fields & dessicated wetland margins Grimmett <i>et al</i> 2009; increase in irrigation ponds in general region would allow spread, perhaps vagrancy to Iran & Afghanistan. Resident Pakistan within 150km of Afghan border R&A 2012. Locally common winter N Gujarat, India, MB pers obs.
		Laridae	The use of Sternidae below aligns with BOU TSC8. Since Pons <i>et al</i> 2005, there have been no similar-scale papers that challenge the bulk of their conclusions. The IOC have adopted all except the genus proposed for the extralimital Saunders's Gull; we now align with that view, noting that the main exceptions are the BOU & <i>Dutch Birding</i> . H&M4 resequences families, genera & within genera, but we remain with IOC sequencing. Some explanation of the non-alignment of biometric and morphological data (eg as consistently documented by Pierre Yésou) appears in Sonsthagen <i>et al</i> 2016, where hybridisation events as an evolutionary force do not lead to lack of reproductive fitness in white-headed gulls, resulting in much haplotype sharing, yet breeding populations remain strongly associated with geographical locations in distinct clades despite small genetic differences. It appears somewhat unusually that just a few genes are driving the speciation process within this complex (although 9.2% of all species are known to hybridise, the incidence of hybridization reaching 41.6% of species within some orders Grant & Grant 1992). NB For useful overview of lack of taxonomic clarity of gull taxa, see Newton 2003. Also see Kerr <i>et al</i> 2007 for results of genetic 'barcode' large-scale Nearctic species trial.
N47	Ross's Gull	<i>Rhodostethia rosea</i>	The single-record vagrant at Sarykamys Lake Turkmenistan 31 April 1988 (Antipov <i>et al</i> 1994, Rustamov 2015) is deemed questionable by Koblik & Arkhipov 2014.
N48	Kelp Gull	<i>Larus dominicanus</i>	H&M4 treat as monotypic 'in absence of comprehensive revision': IOC4.4 treats as polytypic: <i>dominicanus</i> S Atlantic, S America then W to Australasia; <i>vetula</i> of southern Africa; <i>judithae</i> of S Indian Ocean Antarctic islands; <i>melisandae</i> of SW & S Madagascar, & <i>austrinus</i> of Antarctica & adjacent islands. Most likely vagrants to the OSME Region would be <i>vetula</i> (largest population), <i>melisandae</i> (nearest, but small, population) & <i>dominicanus</i> SW Western Australia. OBRC rejected Oman 2006 report, but surely will occur, although generally the species is sedentary once it breeds. Juveniles or immatures are most likely to wander, and some austral winter movement occurs into warmer waters. NB DB 2009 call ssp <i>vetula</i> Cape Gull; this taxon has reached Portugal (4 records).
The relationships between the large white-headed gull taxa are complex. Some taxa may be undefinable in terms of species or subspecies, but nevertheless include			
diagnosable populations, suggesting a broader view is inevitable. Our arrangement of Parent Taxa allows the complexities to be highlighted and therefore aligns with			
published analyses only where these are not in disagreement for taxa that occur in the OSME region. Although our approach may be seen as an eclectic mix of the radical			
and the traditional, we note that complex relationships occur in other groups (eg the large grey shrikes and the <i>flavocitreola</i> wagtails), which also merit taking the broader view.			
PT	American Herring Gull PT	<i>Larus smithsonianus</i>	PT follows BOU here; see Sangster <i>et al</i> 2007, Collinson <i>et al</i> 2008 (who note that the case for <i>vegae</i> as a species awaits further research). Pierre Yésou (pers comm) is certain that the strong diagnostic phenotypical differences between these Asian and N American taxa recorded in Alaska demand a different conclusion, namely <i>L. vegae vegae</i> and <i>L. v. mongolicus</i> . Full diagnosability criteria for these 3 taxa in relation to each other yet to be proved Parkin & Knox 2010. See also Liebers-Helbig <i>et al</i> 2010. We expect much remains to be discovered. H&M4 include <i>vegae</i> & <i>mongolicus</i> in <i>smithsonianus</i> .
PT	East Siberian Gull PT	<i>Larus (smithsonianus) vegae</i>	Here we agree with Yésou 2002 (pers comm) who advises taxonomic uncertainties in white-headed gulls will be long-standing; taxa are prime candidates for combined genetics/field/museum studies (including breeding biology & statistical analysis of phenotypical variations). Although Rogacheva 1992 suggested PT breeds as far W as Anabar River mouth in Arctic, 'clear hybrids not being uncommon', ID knowledge at this time was less clear-cut - Pierre Yésou pers comm. NB1 separation from <i>L. argentatus</i> on mtDNA grounds alone, far from clear-cut (Sangster <i>et al</i> 2007), but other DNA criteria and morphology (Collinson <i>et al</i> 2008) make strong case. NB2 Sangster <i>et al</i> 2007 (BOU) and Collinson <i>et al</i> 2008 make a case for the PT for Vega Gull <i>L. (smithsonianus/vegae) vegae</i> and Mongolian Gull <i>L.(s./m.) mongolicus</i> (see Non-passerine List) to be American Herring Gull <i>L. smithsonianus</i> .
N49	Vega Gull	<i>Larus (smithsonianus/vegae) vegae</i>	Revised understanding of this taxon assesses its breeding distribution as confined to NE & E Asia. No confirmed Region records. Variable leg colour; suggested nominate ssp of East Siberian Gull, Yésou 2002; now (Collinson <i>et al</i> 2008) regarded as a western ssp of American Herring Gull <i>L. smithsonianus</i> .: BirdLife Datazone tacitly agree, for the Jul 2015 <i>smithsonianus</i> map includes the <i>vegae</i> breeding distribution up to the large Uvs Lake, only 250km from Kazakhstan.
		'Sternidae' NB Considerable resequencing of genera within a revised Lari proposed by Sangster <i>et al</i> 2012. We shall await IOC consideration.	Use of Sternidae follows BOU TSC8. IOC v2.0 & AOU accepted all changes suggested in Gochfeld & Burger 1996 & Bridge <i>et al</i> 2005. Dutch CSNA Sangster <i>et al</i> 2009 follow suit. We follow Parkin & Knox 2010 re 'crested terns' being better placed in <i>Thalasseus</i> . IOC v2.2 accepts split of New World Cabot's Tern <i>T. aculavidus</i> from Sandwich Tern <i>T. sandvicensis</i> Efe <i>et al</i> 2009, as does Sangster <i>et al</i> 2011. NB Many tern spp disperse widely in N hemisphere winter WRP Bourne pers comm.
N50	Black-bellied Tern	<i>Sterna acuticauda</i>	Given that River Tern <i>S. aurantia</i> , largely sharing the same distribution in Pakistan (R&A 2012map resident close to Afghan Nurestan), has been recorded in Iran, occurrence in Region possible. Common in Punjab c200km from Afghan border 2003 Ali & Akhtar 2005. However, now an Endangered species, although still patchily common in N Pakistan.
		Stercorariidae	Single genus Cohen <i>et al</i> 1997 derived from multiple evidence strands: mt & nuclear DNA, enzyme variations, feather lice, behavioural studies & calls (Parkin & Knox 2010). NB South Polar (<i>maccomicki</i>) and particularly Brown (<i>antarcticus</i>), Chilean (<i>chilensis</i>), Tristan (<i>hamiltoni</i>) and Subantarctic (<i>lonnbergi</i>) Skuas have a relative lack of genetic differentiation, due to their relatively recent divergence as a group from Great (<i>skua</i>) and Pomarine (<i>pomarinus</i>) Skuas. Any treatment as separate species must recognise that their mobility and the extent of hybridisation will prevent many individuals from being identified by morphology, plumage characters, or at all.
N51	Subantarctic Skua (Brown Skua)	<i>Stercorarius (antarcticus) lonnbergi</i> (formerly <i>Catharacta (antarcticus) lonnbergi</i>)	Taxonomy follows Cohen <i>et al</i> (1997) and Andersson (1999), whom IOC updates do not acknowledge. Probably already recorded in the OSME Region but wrongly attributed to another 'large skua' sp. NB despite long-standing claims, all Sri Lankan specimens this taxon De Silva 1989, 1991.
		Pteroclididae	Cohen 2011 comprehensively analyses Pteroclididae . However, the taxonomic placement of <i>P. alchata</i> & extralimital Burchell's Sandgrouse <i>P. burchelli</i> prevents phylogenetic certainty. Placing all sandgrouse in <i>Syrhaptes</i> on name priority grounds is narrowly valid, but says nothing about relative relationships within clades, 3 of which are evident (2 in Region) from Cohen 2011, but omit the 2 unplaced taxa. Should deeper investigation of the unplaced taxa fit them into the 3 clades, well & good, but if not, then all OSME Region taxa except <i>lichtensteinii</i> would be placed in <i>Syrhaptes</i> . <i>Pro tem</i> , we follow the Clade option, assuming <i>alchata</i> will eventually fit. For ORL convenience, we retitle the Clades as A (<i>Syrhaptes</i>), B (<i>Pterocles</i>) & C (<i>Nyctiperdix</i>).

Clade C			
N52	Painted Sandgrouse	<i>Nyctiperdix indicus</i> (<i>Pterocles indicus</i>)	Several sources without citation place in Afghanistan; H&M4 disagrees. Monotypic. Source of confusion likely Ali & Ripley 1983, citing nominate ssp as <i>indicus</i> east of Pakistan's western mountains & very similar ssp <i>arabicus</i> (then named Close-barred Sandgrouse) occurring from mountainous western Pakistan west to Afghanistan, Iran & Iraq. The latter taxon later assigned correctly to Lichtenstein's Sandgrouse. <i>P. lichtensteinii</i> (Wells 1998, H&M4) whose distribution is given ORL Non-passerine list. Ali & Ripley 1968-73 apparently intended to comply with this change (Steve Madge <i>in litt</i> to Mike Evans). Occurrence of Painted Sandgrouse in Afghanistan not impossible, but increasingly unlikely.
Columbidae			
N53	Speckled Wood Pigeon	<i>Columba hodgsonii</i>	Monotypic. Possibly E Afghanistan, HBW4 map; likely very rare there R&A 2005, uncommon in west of range. A&M map range well into Gilgit, very close to Afghanistan. However, main habitat is dense temperate or tropical deciduous forest, which is now largely absent in E Afghanistan. Perhaps historical Bates & Lowther 1952. Evidence? Documentation? Subject to irregular movements, Grimmett <i>et al</i> 1998. NB Scarce & irregular W Kashmir following fruit crop up to 3000m Roberts 1991.
N54	Ring-necked Dove	<i>Streptopelia capicola</i>	African sp. RNBWS report Farasan Islands Feb 82 (16:15:0.0N+41:3:0.0E) unconfirmed; report of breeding Sheikh Othman & Hussein (Aden) 1945 treated with caution in Warr 1992; possible misidentification in both cases. NB Breeds Eritrea, Somalia & E Ethiopia Ash & Atkins 2009 H&M4; all along Somali N coast Redman <i>et al</i> 2009, also Sudan HBW4
N55	Diamond Dove	<i>Geopelia cuneata</i>	Escape at Sohar farm, Oman Dec 2012 OBRC . Well-adapted to aridity in its native Australia.
N56	Yellow-footed Green Pigeon	<i>Treron phoenicopterus</i>	Regular winterer E-C Pakistan ssp <i>chorigaster</i> , has increased wintering range to new irrigation projects (Roberts 1991), which now are common in OSME Region.
Cuculidae			
N57	Greater Coucal	<i>Centropus sinensis</i>	Distribution of this common and adaptable species has increased, following irrigation projects in Pakistan ssp <i>sinensis</i> close to Afghan border, especially near Khyber Roberts 1991. May occur for that reason in OSME Region.
N58	African Cuckoo	<i>Cuculus gularis</i>	Monotypic. Given the likely lack of differentiation in records in Ethiopia between this taxon (rains-follower, intra-tropical migrant and powerful flier) and Common Cuckoo <i>C. canorus</i> (Ash & Atkins 2009), overshoot into Yemen is possible; see also Redman <i>et al</i> 2009.
Tytonidae			
PT	Barn Owl PT	<i>Tyto alba</i>	IOC2.0, H&M4 split Barn Owl into Western <i>Tyto (alba) alba</i> , extralimital Eastern <i>T.(a.) deliculata</i> Barn Owl of Lesser Sundas, Australasia and sundry islands between & also E to Pacific islands (the initial split had referred to <i>javanica</i> of Malay Peninsula, Greater & (part) Lesser Sundas, but <i>javanica</i> & <i>stertens</i> of Indian Subcontinent were then grouped in <i>T. alba</i>) and extralimital Andaman (Barn) Masked Owl <i>T.(a.) deroeptorffii</i> . Wink <i>et al</i> 2004b, Christidis & Boles 2008. Consequently, IOC2.5 listed <i>javanica</i> & <i>stertens</i> under <i>T. alba</i> (as does IOC6.3). However, Aliabadian <i>et al</i> 2016 devise clades for the barn owl complex & show that <i>javanica</i> & <i>stertens</i> belong to the <i>deliculata</i> clade and not the <i>alba</i> clade: consequently, the name <i>javanica</i> has priority over <i>deliculata</i> for that geographically much-enlarged clade.
Clade Eastern Barn Owl <i>sensu</i> Aliabadian <i>et al</i> 2016			
N59	Eastern Barn Owl	<i>Tyto [alba] javanica</i>	Only ssp likely in Region <i>stertens</i> H&M4. Although BirdLife Datazone map Jul 2016 for 'Barn Owl' indicates presence in Afghanistan NW of Torkham border post on Peshawar-Jalabad road & only likely taxon is <i>stertens</i> , the presence of Eastern Barn Owl <i>sensu novo</i> in the OSME Region is entered here to await corroboration. NB Aliabadian <i>et al</i> 2016 via several genetic analyses, reduce <i>T.[a.] alba</i> distribution by attributing sssp <i>stertens</i> & <i>javanica</i> to Eastern Barn Owl, formerly <i>T. deliculata</i> , now through naming priority, <i>T.[a.] javanica</i> .
Strigidae			
PT	African Scops Owl PT	<i>Otus senegalensis</i>	K&W 2008, IOC4.4 agree split Arabian Scops Owl <i>O.(s.) pamelae (qv)</i> , previously regarded as ssp. African Scops Owl <i>O.(s.) senegalensis sensu stricto novo</i> now relegated to ORL Hypothetical List: no evidence found of this taxon in Region. NB Pons <i>et al</i> 2013 show taxon <i>pamelae</i> as full species & early offshoot from Afro-Palaearctic clade.
N59	African Scops Owl	<i>Otus senegalensis</i>	Post-splits, absence of evidence of occurrence ssp <i>senegalensis</i> in Region; nearest population on African side of Bab-el-Mandab Straits, although Ash & Atkins 2009, not covering Djibouti, locate it more distantly.
PT	Scops Owl PT Indian Ocean/Indo-Malayan clade	<i>Otus sunia</i>	IOC2.7 split. K&W 2008 recognised <i>O.[sp] socotranus</i> as separate (morphology & isolated distribution) but reinforce König <i>et al</i> 1999 queries: song relates to that of Oriental Scops Owl <i>O. sunia (qv Hypothetical List)</i> ; previous treatments placed <i>socotranus</i> as ssp of Pallid Scops Owl <i>O. brucei</i> or African Scops Owl <i>O. senegalensis (qv Hypothetical List)</i> : strangely H&M4 continue to do so.. Song of Arabian Scops Owl <i>O. pamelae (qv)</i> relates to African Scops Owl. Redman <i>et al</i> 2009 treated <i>pro tem</i> as <i>O.(sunia) socotranus</i> . Pons <i>et al</i> 2013 established taxon <i>socotranus</i> as meriting species status; its closest relatives are extralimital Seychelles Scops Owl <i>O. insularis</i> & <i>O. sunia</i> ; the island endemics evolved rapidly
N60	Oriental Scops Owl	<i>Otus sunia</i>	Older maps speculative eg König <i>et al</i> 1999, ssp <i>sunia</i> covering E Afghanistan and Tajikistan, Shimba (2007) map suggesting S Kyrgyzstan, possibly because of mis-allocation of sssp to other <i>Otus</i> sp. R&A 2005 excludes from Region by some distance, as does Grimmett <i>et al</i> 1998. K&W 2008, H&M4 westernmost range NE Pakistan. However, given westward & northward drift of several small passerines occupying niches in growth around proliferation of small dams, may follow prey species into remaining semi-open woodland Afghanistan or Iran. Avibase website Israel & Kazakhstan without citing status or source
PT	Eurasian Eagle Owl <i>Bubo bubo</i> PT	<i>Bubo bubo</i>	PT – <i>ascalaphus</i> & <i>interpositus</i> reported often as <i>B. bubo</i> . IOC2.0 accepts split of Indian Eagle Owl <i>B.[b.] bengalensis</i> (see ORL Hypothetical List) from Eurasian Eagle Owl <i>Bubo bubo</i> . Taxonomy follows König <i>et al</i> (1999), R&A 2005, K&W 2008, Wink <i>et al</i> 2009. K&W 2008 note that <i>ascalaphus</i> differs from <i>bubo</i> by 3.5% nucleotide substitutions and <i>interpositus</i> by 2.8%; the degree of genetic distance normally considered indicative of species level being 2% or greater (Wink <i>et al</i> 2008, 2009). Sangster <i>et al</i> 2013 agree. H&M4 very conservative. Egypt BE. NB1 Mikkola 2012 mentions <i>interpositus</i> interbreeding freely with <i>ascalaphus</i> , & <i>turcomanus</i> with Rock Eagle Owl <i>B. bengalensis</i> , but fails to cite
N61	Indian Eagle Owl (Rock Eagle Owl, Dusky Eagle Owl)	<i>Bubo [bubo] bengalensis</i>	Monotypic. Taxonomy follows König <i>et al</i> 1999, R&A 2005, IOC1.6, K&W 2008. Although maps in König <i>et al</i> 1999 & K&W 2008 cover the SE quadrant of Afghanistan and Iranian Baluchistan, texts do not mention these countries: Mikkola 2012 reproduces this doubtful map; R&A 2005, 2012 map species quite close to the Khyber Pass, Pakistan, but not to Iran. Grimmett <i>et al</i> 2009 map to Pakistan/Iran border along Gokprosh and Makran Coastal Ranges. Documentation? NB1 Early references to occurrence in Afghanistan rejected by Whistler (1944-5): 'too pale'; assigned to <i>B.b. turcomanus</i> (Paludan 1959) but we know of no subsequent analysis of extant specimens. K&W 2008 aver sympatric with <i>turcomanus</i> in Kashmir; possibly also in SE quadrant of Afghanistan. NB2 Occurs close to habitation and human activity in Gujurat, India, often perching on cliffs or rock faces at water sources where prey comes to drink MB pers obs.

N62	Dusky Eagle Owl	<i>Bubo coromandus</i>	Map in König et al (1999) covers northeasternmost Afghanistan, also HBW5; would be ssp <i>coromandus</i> . Range in R&A 2005 much further to S, & K&W 2008 seem to agree. Apparent 'quarantine corridor' still shown in K&W 2008 (also R&A 2005, 2012) between this and Eurasian Eagle Owl <i>B. bubo</i> from coast mid-Pakistan N to Kashmir then SE to Nepal (but not included in molecular analyses cited in ORL). Maps in K&W 2008, R&A 2005, Grimmer et al 1998 and Roberts 1991 suggest <i>coromandus</i> unlikely in OSME Region, for traditional well watered woodland then scarce in Afghanistan, but proliferation since then of small dams and in places new irrigation channels provides possible Afghan plantation habitat, to which species had adapted in Pakistan Roberts 1991.
PT	Little Owl PT NB Suspicion that many records will continue under PT; field experience suggests many populations cryptically similar in appearance and plumage variations within populations not well documented.	<i>Athene noctua</i>	K&W 2008 make <i>A.(n.) lilith</i> a species (<i>qv</i>) as in Wink et al 2008. Wink in van Nieuwenhuysse et al 2009 differs little in detail; genetic analyses of <i>A. noctua</i> & <i>A. cunicularia</i> (Nearctic Burrowing Owl) taxa incomplete (Wink et al 2009, Michael Wink pers comm June 2009). Because of detected phylogeographic variation in both complexes, more detailed study across whole distribution range will reveal more complex pattern of several distinct species & subspecies; of particular interest (to OSME) are <i>glaux</i> , <i>lilith</i> & <i>indigena</i> ; <i>glaux</i> & <i>lilith</i> appear genetically close Wink et al 2009), thus we list the taxa occurring in the Region separately <i>pro tem</i> . Wink 2011 lists <i>noctua</i> , <i>lilith</i> & <i>plumipes</i> . Four 'forms' recorded Israel Yoav Perlman <i>in litt</i> Nov 09. K&W 2008, Wink et al 2009 suggest <i>A.(n.) plumipes</i> (<i>qv</i>) too may be separable; occurs from Altai eastwards. Extralimital Ethiopian Little Owl <i>A.(n.) spilogastra</i> may also be species (<i>qv</i> Hypothetical List). H&M4 note that limited taxon-sampling delays subspecies-group recognition. NB1 Other DNA research under way on <i>Athene</i> owls; more song data is being collected, possibly why IOC3.3 does not split <i>noctua</i> . NB2 On Cyprus, plumages of birds near sea level noticeably darker than those in the low hills away from the coast (MB pers obs).
N63	Ethiopian Little Owl	<i>Athene (noctua) spilogastra</i>	K&W 2008, Wink et al 2009 support elevation to sp (with 2 ssp); <i>spilogastra</i> E Sudanese Red Sea along coastal hinterland S to Eritrea & <i>somaliensis</i> E Ethiopia to N Somalia; latter likely on African side (Djibouti) of Bab-el-Mandab Strait; Ash & Atkins 2009. Claim of specimen from Ha'laib triangle SW Egypt resembling <i>spilogastra</i> BinE 2009. Recorded Sudan only c 180km S of Ha'laib Triangle Nikolaus 1987, according with map in Mikkola 2012.
N64	Brown Hawk Owl	<i>Ninox scutulata</i>	Map in Shamba 2007 suggests close to E Tajikistan and S Kyrgyzstan borders; that in Mikkola 2012 maps remotely from OSME Region. Relict population? If relict population exists in or close to Region, likely related to <i>lugubris</i> ssp; extrapolated from K&W 2008
		Caprimulgidae	
N65	Jungle Nightjar	<i>Caprimulgus indicus</i>	May wanderer, ssp <i>indicus</i> , from NW India; also resident C & S India H&M4 (IOC give only C & S India) where common resident, in conditions of strong E/NE winds? Recently split from <i>C. jotaka</i> Grey Nightjar IOC4.1: see Non-passerine List.
N66	Vaurie's Nightjar	<i>Caprimulgus centralasicus</i>	Known from a single female specimen from Xinjiang, at c 300km, not too distant from Afghan Wakhan & easternmost Tajikistan; Ayé et al 2012, R&A 2012 suggest worth including. Leader 2009 summarises most of what is known about this taxon; its putative wintering area is the Thar desert and the Rann of Kutch area of the NW Indian subcontinent. A guess at its breeding habitat would be the long old alluvial plain north of the Western Himalayas, essentially a desert plateau cut by meltwater ravines, but whose steep, high northern edge is visibly evident from Google satellite imagery.
N67	Savanna Nightjar	<i>Caprimulgus affinis</i>	As an abundant breeding migrant, ssp <i>monticolus</i> occurs NE Pakistan almost to border near Thal (Roberts 1991, Cleere 2010, R&A 2012), overshoots are likely at times; all the 7-9 other ssp are largely sedentary. IUCN Redlist maps into Afghanistan as far as Kabul, likely an error, given that the country is not included as part of its native range..
		Apodidae	
N68	Nyanza Swift	<i>Apus niansae</i>	ssp <i>somalicus</i> occurs along N Somalia coast; prone to wandering Redman et al 2009.
PT	Fork-tailed Swift PT	<i>Apus pacificus</i>	IOC2.10 reverts to English name Pacific Swift for only 2 taxa, <i>pacificus</i> (breeding in Kazakhstan in Altai) & extralimital (?) <i>kurodae</i> (which now amended to <i>kanoi</i> , because the type collected for <i>pacificus sensu lato</i> may have been within <i>kurodae</i> H&M4); split off are Salim Ali's Swift <i>A. salimalii</i> , Blyth's Swift <i>A. leuconyx</i> , & Cook's Swift <i>A. cooki</i> (see 'NB' below); Leader 2011 (on morphological grounds). Taxon <i>leuconyx</i> (breeds Pakistan) probably wanders to OSME Region & possibly occurs (via ITCZ cycles) in Iran, UAE & Oman (see Hypothetical List): how many taxa have definitely occurred is unclear; taxa would have to be examined in the hand. NB H&M4 suggests taxon <i>cooki</i> relates more to Dark-rumped Swift <i>A. acuticauda</i> (both extralimital): indeed Päckert et al 2012 emphasise that <i>cooki</i> and <i>acuticauda</i> are closer than to the other <i>pacificus</i> taxa, but also note that more distinctive molecular markers for separation may be needed.
N69	Blyth's Swift	<i>Apus [p.] leuconyx</i>	Following split of Fork-tailed Swift <i>Apus pacificus sensu stricto</i> , taxon <i>leuconyx</i> probably occurs in Iran, Oman & UAE as a vagrant or winterer, from its mid- to high altitude breeding grounds in Pakistan (IOC5.4) eastwards. R&A 2012 map as summer breeder W as far as NW India.
		Colidae	
N70	Blue-naped Mousebird	<i>Urocolius macrourus</i>	Recorded, likely ssp <i>griseogularis</i> , along Sudan Nile Valley to within c 150km S of Egypt Nikolaus 1987.
		Meropidae	
N71	Little Bee-eater	<i>Merops pusillus</i>	Widespread and common in Ethiopia Ash & Atkins 2009, Redman et al 2009: family are powerful fliers; nearest ssp <i>cyanostictus</i> of W Somalia or <i>ocularis</i> of W Ethiopia. NB Confusable with extralimital Blue-breasted Bee-eater <i>M. variegatus</i> (mostly W of 40°N Ethiopia) & Cinnamon Bee-eater <i>M. oreobates</i> , W & S of Ethiopia.
N72	Olive Bee-eater [Madagascar Bee-eater]	<i>Merops superciliosus</i>	ssp <i>superciliaris</i> occurs as intra-tropical breeder in NW Somalia & parts of Ethiopia and coastal Eritrea Redman et al 2009.
N73	Blue-tailed Bee-eater	<i>Merops philippinus</i>	Westernmost Pakistan range (ssp <i>javanicus</i>) close to Safed Koh & Khyber; spring overshoot to Afghanistan possible. See map Grimmer et al 2009, R&A 2012. Vagrant SE Iran?
		Megalaimidae	
N74	Coppersmith Barbet	<i>Psilopogon haemacephalus</i> (formerly <i>Megalaima haemacephala</i>)	Formerly in Afghan Khyber? See maps Grimmer et al 2009, R&A 2012; resident Pakistan near Afghan border. H&M4 place in new genus, ssp <i>indicus</i> western distribution 'S Asia'. Unmistakeable loud call.
		Indicatoridae	
N75	Yellow-rumped Honeyguide	<i>Indicator xanthonotus</i>	Reported on-line Afghanistan. Possible, but nearest documented population (ssp <i>xanthonotus</i>) NE Pakistan) thought extinct. R&A 2005, 2012 say no. In H&M3 corrigenda E Dickinson pers comm
		Picidae	
N76	Black-rumped Flameback (Lesser Goldenback, Black-rumped Woodpecker)	<i>Dinopium benghalense</i>	IOC2.10 new English name (applicable to several flamebacks). Resident (ssp <i>dilutum</i>) in main vale of Peshawar Roberts 1991, which distribution area similar to Sind Woodpecker (Sind Pied) <i>Dendrocopos assimilis</i> - (formerly?) in similar habitat on Afghan side of Khyber? NB Winkler et al 2014 note that the relationships within <i>Dinopium</i> have not been researched, the genus is not close to <i>Chrysocolaptes</i> Flamebacks, whatever the plumage similarities.
N77	Yellow-crowned Woodpecker (Yellow-fronted Pied Woodpecker)	<i>Leiopicus mahrattensis</i> (formerly <i>Dendrocopos mahrattensis</i>)	Genus change follows Winkler et al 2013. Fuchs & Pons 2015 convert to monospecific genus. Pakistan populations ssp <i>pallascens</i> Gorman 2014: probably once occurred in Afghan Khyber. See map Grimmer et al 2009, where now uncommon Pakistan. NB Middle-Spotted <i>L. medius</i> & Brown-fronted <i>L. auriceps</i> Woodpeckers complete this new genus (see Non-Passerine List)
		Falconidae	

N78	Greater Kestrel	<i>Falco rupicoloides</i>	Recorded (ssp <i>fieldi</i>) on Eritrean Dahlak Islands, whose easternmost island is only 60km from Yemen's Jabal al-Tair Island NW of Al -Hudaydah, & in S Eritrea near Bab-el-Mandab Ash & Atkins 2009.
N79	African Hobby	<i>Falco cuvierii</i>	Monotypic. 2 RNBWS reports: Jun 73 Red Sea off Eritrea at 17:46:0.0N+40:26:0.0E & Nov 77 of bird on board for 2 days off Salalah at 15:12:0.0N+56:48:0.0E – misidentification possible given the state of knowledge of identification criteria at the time. NB Common resident Eritrea & Ethiopia Ash & Atkins 2009.
PT	Peregrine Falcon PT	<i>Falco peregrinus</i>	Parent Taxon here includes <i>pellegrinoides pro tem</i> due to unclear status of this taxon
N80	Shaheen	<i>Falco (peregrinus) peregrinator</i>	Naoroji 2006 notes <i>F.p. peregrinator</i> (Shaheen) is sedentary resident India, NE Pakistan, but Zarudny 1911 assessed that population as then wintering in Persia's Kerman-Kohistan; in modern Iran, this could be S Khorasan, N Sistan-va-Baluchestan or E Kerman. Perhaps unlikely nowadays, but immature falcons prone to wander. Birds that migrate to winter continental SE Asia, including N Thai-Malay Peninsula have unknown breeding grounds, possibly S or E China H&M4.
		Psittacidae	Many parrot spp continue to be introduced, particularly because many cultures have a long history of bird-keeping, but also because of developing prosperity funding the trade in exotics Blackburn <i>et al</i> 2015.
N81	Blossom-headed Parakeet (Rosy-headed Parakeet)	<i>Psittacula roseata</i>	Escapes encountered in UAE, but not proven breeding Aspinall & Porter 2011. Natural distribution no nearer OSME Region than E Indian subcontinent R&A 2012, sssp <i>roseata</i> & <i>juneae</i> ..
N82	Yellow-collared Lovebird	<i>Agapornis personatus</i>	Monotypic Tanzanian sp. On Avibase website Israel list Aug 08 as Introduced.
PASSERINES, English Name			
		Family, Species or Taxon	Working Notes; includes 'recent' material. NB Secondary references often unvalidated
		Tephrodornithidae	
P1	Common Woodshrike	<i>Tephrodornis pondicerianus</i>	Though ssp <i>pallidus</i> sedentary in Pakistani wooded lowlands, does penetrate ravines & occurs close to Afghan border near Thal & at Khyber Roberts 1992
		Campephagidae	
P2	Small Minivet	<i>Pericrocotus cinnamomeus</i>	R&A 2012 map in Pakistan close to E&NE Afghan border (ssp <i>pallidus</i>). This species may be split.
		Laniidae	
PT	Isabelline Shrike PT	<i>Lanius [cristatus] isabellinus</i>	IOC2.0 accepts split into 2 species (see below). NB1 the name <i>isabellinus</i> previously applied to N China birds (usually referred to as <i>arenarius</i> in the literature, <i>isabellinus</i> applying to Central Asian birds). Pearson 2000 had suggested that the male type specimen of <i>isabellinus</i> was actually <i>speculigerus</i> , which name should apply to those at present named <i>isabellinus</i> , but Panov 2009 refutes, synonymising <i>arenarius</i> with <i>isabellinus</i> and noting type specimen of <i>isabellinus</i> actually differs from several long series of <i>speculigerus</i> , but the type location is not within the <i>isabellinus</i> breeding distribution. NB2 Scott & Adhami 2006 use PT for Iran, but <i>L. isabellinus</i> likely winterer Iran & <i>L. phoenicuroides</i> breeds & winters. NB3 HBW13 suggests that extralimital (breeding WC China) <i>arenarius</i> and <i>tsaidamensis</i> form separate group, raised to species status by some Russians; pro tem, we treat <i>tsaidamensis</i> as potentially separable, but taxon is unstudied (qv 'Eastern Red-backed Shrike' L. (i.) <i>tsaidamensis</i> below.
P3	'Eastern Red-backed Shrike' ('Chinese Shrike')	<i>Lanius (isabellinus) tsaidamensis</i>	Both <i>arenarius</i> (≡ <i>isabellinus</i> Panov 2009) and <i>tsaidamensis</i> from WC China winter in N India and Pakistan: 2 reported & photographed in Golestan, Iran Jan 2009 may be from this group (DB 31 pp193 & 198). The taxon <i>tsaidamensis</i> is the largest in the <i>cristatus-collurio-isabellinus</i> complex, but is the least studied, perhaps being associated with saxaul and salt cedar habitat (from Przhvalsky's 1886 expedition); however, size decreases to N of breeding range until it approaches that of <i>speculigerus</i> (Evgeniy Panov <i>in litt</i>). From limited specimen data, intermediates with <i>isabellinus</i> (probably the population formerly attributed to ' <i>arenarius</i> ') and <i>speculigerus</i> are likely (Evgeniy Panov <i>in litt</i>). NB1 English name 'Isabelline Shrike' here inappropriate, hence interim name informal @OSME. NB2 Should <i>tsaidamensis</i> be elevated to full sp, it would be monotypic.
P4	Grey-backed Shrike	<i>Lanius tephronotus</i>	R&A 2012 map summer breeder ssp <i>lahulensis</i> W to E Ladakh & in Tibet slightly further E. On 2015 Ladakh Checklist without comment.
Relationships between large grey shrike taxa are complex; some taxa may be undefinable in terms of species or subspecies, yet include diagnosable populations: a broader view is inevitable. The arrangements as published up to 2009 place many taxa as subspecies of <i>meridionalis</i> across North Africa, Arabia and Central Asia. Although Panov 2011 (and Bannikova 2010 in Panov 2011) agree that fundamental changes in our understanding of taxa relationships are needed, they think it premature to suggest any new taxonomy until a suite of DNA techniques allows formal publication of a revised taxonomy for all taxa in this complex. This traditional approach is the norm, but it is clear that revisions from Bannikova and of Olsson <i>et al</i> will be radical. Accordingly, we have opted to present the most likely changes for the taxa in the OSME Region, while recognising that several taxa outside the Region have not yet been sampled, and that some taxa within the Region need sampling across their breeding ranges, which may be imperfectly known. The groupings (clades) suggested in Olsson <i>et al</i> 2010 as a likely interpretation of their research go beyond those acceptable at this stage by Bannikova 2010 & Panov 2011, although both praise that work highly. The 'radical' view of Olsson <i>et al</i> 2010 is that <i>meridionalis</i> is an isolate of Iberia & southern France and not closely related to African or Central Asian taxa, a position actually also derivable from Vaurie 1959! The Olsson <i>et al</i> 2010 clades largely descend from the original ancestral <i>excubitor</i> expansions out of Africa. Panov wants formal refutation of the <i>meridionalis</i> -based lineage; we suggest the scale of likely change is best kept in view. The Olsson <i>et al</i> & the Panov 2011 taxonomies, as presented, are incompatible, yet relate logically to Vaurie 1959, which we use as the basic Parent Taxon of the changes. We also recognise that some may prefer to retain 'traditional' nomenclature, which probably will align closely with our view (as given here) as the formal taxonomy develops. Note our approach aligns with the Poelstra 2010 (many taxa) & Tajkova & Red'kin 2014 (<i>sibiricus</i>) analyses. NB1 Panov 2011 and Olsson <i>et al</i> 2010 do not cover exactly the same taxa. NB2 This kind of complexity is far from uncommon; eg the <i>flava/citreola</i> wagtails, the large white-headed gulls, Pacific island hawk owls & Paradise Kingfishers, all meriting a broader view. NB3 Isenmann & Bouchet 1991 as amended by Isenmann & Lefranc 1994 had placed taxon <i>elegans</i> within the <i>L. meridionalis</i> complex (also as proposed by Panov 1983) on priority grounds within the context of perceived morphological and feathering trends across 'southern' taxa, a hypothesis that depended upon radiations of post-glacial populations conforming with a plausible sequence pattern of successive pre- and post-glacial refugia. The more nuanced understanding today of the complexities and geographical variability of successive glaciation advances and retreats aligns better, in our opinion, with the conjectured arrangements of large grey shrike taxa in Olsson <i>et al</i> 2010.			
PT	Chinese Grey Shrike PT	<i>Lanius sphenocercus</i>	Olsson <i>et al</i> 2009 support split on molecular data into Chinese Grey Shrike <i>L.(s.) sphenocercus</i> (Cabanis 1873) & 'Giant Grey Shrike' <i>L.(s.) giganteus</i> (Przevalski 1887) (both monotypic); latter English name used in 1920s for this taxon. IOC4.4 treats <i>sphenocercus</i> & <i>giganteus</i> as sssp of Chinese Shrike. Yang <i>et al</i> 2016 sequence complete mt genome of <i>L.s. sphenocercus</i>
P5	Chinese Grey Shrike	<i>Lanius sphenocercus</i>	Monotypic H&M4, but IOC5.4 lists as polytypic Chinese Grey Shrike nominate and <i>giganteus</i> : Yang <i>et al</i> 2016 note shared ancestry of Corvidae & Laniidae & <i>L.s. sphenocercus</i> being distant from Laniidae other than the large grey shrikes: the previous English names 'Tibetan Grey Shrike' or 'Giant Grey Shrike' now referable to taxon <i>giganteus</i> as ssp of <i>sphenocercus</i> : H&M4 splits these taxa; much clearly to be researched. Map in Shimba 2007 suggests <i>sphenocercus sensu novo</i> likely wanderer to E Kazakhstan, Kyrgyzstan & Tajikistan. NB The English name 'Tibetan Grey Shrike' previously has been applied rather haphazardly to both <i>giganteus</i> (eg Brazil 2009) & to Grey-backed Shrike <i>L. tephronotus</i> of Himalayas (qv). The shrike taxon name ' <i>tibetanus</i> ' (as in 'Tibetan Grey Shrike' L.s. ' <i>tibetanus</i> ' (dark grey; possibly separable) is of uncertain derivation & appears to have been used in multiple fashion to describe taxa of both Chinese Grey (possibly ≡ <i>giganteus</i>) & Grey-backed Shrikes. It is not listed in major references.
		Vireonidae	IOC v2.3 moves this & several other species from Timaliidae , placing as Old World members of Vireonidae .
P6	Green Shrike-babbler	<i>Pteruthius xanthochlorus</i>	Occurs up to 3350m R&A 2005. Map in Arlott 2007 suggests narrow breeding area Afghanistan; R&A map westernmost limit ssp <i>occidentalis</i> _S Kashmir as does HBW 12 map. Roberts 1992 tends to support, but notes declining population of already rare sp. NB Reddy 2008 suggests split into 4 spp (this taxon would be <i>P. occidentalis</i> , 'Western Green Shrike-Babbler'); findings subject to evaluation under Biological Species Concept Rheindt & Eaton 2009.
		Rhipiduridae	<i>Rhipidura sensu lato</i> generally adaptable and inquisitive genus. Nyári <i>et al</i> 2009 & Jansson <i>et al</i> 2016 rearrange <i>Rhipidura</i> for monophyly, the 2 spp below now part of true <i>Leucocirca</i> .

P7	White-throated Fantail	<i>Leucocirca albicollis</i> { <i>Rhipidura albicollis</i> }	Occurs up to 2300m R&A 2005. Map (very small scale) in Arlott 2007 suggests: that in R&A 2012 just reaches Pakistan from E. Grimmett <i>et al</i> 2009 map in Pakistan, 3 small disjunct areas, Murree Hills, Gilgit & Kunar valley in NW; H&M4 place ssp <i>canescens</i> in NE Pakistan; likely in Afghan Daryā-ye & Konar valleys (prefers damp shady ravines).
P8	White-browed Fantail	<i>Leucocirca aureola</i> { <i>Rhipidura aureola</i> }	<i>Contra</i> Arlott 2007 map, Grimmett <i>et al</i> 2009, R&A 2012 map extensively along riverine (including artificial) valleys, up to E end Safed Koh, close to Afghan Khyber, ssp <i>aureola</i> , other 2 ssp extralimital to E.
			Corvidae
P9	Azure-winged Magpie (Asian Azure-winged Magpie)	<i>Cyanopica cyanus</i>	Westward range expansion ssp <i>cyanus</i> increases vagrancy chance; probable vagrants noted E of Region at c 100°E at 56°N Rogocheva 1992, Fefelov pers comm cited in Haring <i>et al</i> 2007. M&P 2000 map westernmost limit 200km E of Kazakhstan, Shimba 2007 map suggests likely wanderer to easternmost Kazakhstan, but HBW14 maps only to c 110°E. Buddhists have introduced this species into Urumqi, NW China, only 350km from the Kazakh border Ma <i>et al</i> 2013; it is thriving. On-line claim of occurrence in Iran (2013) was in-country hoax. NB Svensson <i>et al</i> 2009, H&M4 strangely make no mention of split of extralimital Iberian Magpie <i>C. cooki</i> . as per Fok <i>et al</i> 2002, Kryukov <i>et al</i> 2004. 3rd ssp is <i>japonensis</i> , only on Honshu Island.
P10	Yellow-billed Blue Magpie (Gold-billed Magpie)	<i>Urocissa flavirostris</i>	ssp <i>ucullata</i> of interest. Occurs up to 3500m R&A 2005. Map in Arlott 2007 suggests; R&A 2005 map almost reaches E to Pakistani Khyber. Indication of some support in M&P 2000. However, likely map in Roberts 1992 (p420) has been misread – 2 species on 1 map, but shading densities not greatly different – Eurasian Magpie <i>Pica pica</i> is mapped to border, but <i>U. flavirostris</i> in only 3 small patches of moist temperate forest 150-300km from border. Although citations probably based on Bates & Lowther 1952, their 'Kashmir' comprised only c20% of 21st-century disputed area, although on 2015 Ladakh Checklist without comment..
P11	Rufous Treepie (Indian Tree-pie)	<i>Dendrocitta vagabunda</i>	Hills of SE Iran, E Afghanistan? M&B say Pakistani Hazara is western limit. Roberts 1992 maps to Afghan border at S Kurram, as do R&A 2012, but HBW14 fails to enlighten; H&M4 ssp <i>bristoli</i> resident Pakistan. All 8 other ssp extralimital further E. Documentation?
P12	Biddulph's Ground Jay (Xingjiang Ground-jay)	<i>Podoces biddulphi</i>	Probably in dry valley areas on Kazakhstan-China border, E of Zharkerit area, where M&B 1994 map neatly stops, as does HBW14 map. Perhaps coincidentally, M&P 2000 also map it to E end of Wakhan, but also ESE Kazakh border. 2003 survey estimate >10 000 birds, but fragile habitats degraded by 20-fold human population increase HBW14. Known to occur within 140km of China-Kyrgyzstan border Ma-Ming & HK Kwok 2004, Londei 2011.!
P13	Cape Crow (Cape Rook)	<i>Corvus capensis</i>	ssp <i>kordofanensis</i> far more likely in Region than nominate. Two reported Egypt 29 Nov 07 at Shalateen (notified to <i>Sandgrouse Around the Region</i>). Although on Avibase website Israel list Mar 09 as Introduced, not mentioned on Israel Birding Portal Checklist. No evidence of becoming established. NB1 Breeds Eritrean Red Sea coast Ash & Atkins 2009 & Somali N coast Redman <i>et al</i> 2009. NB2 HBW14 notes largely sedentary, but has wandered occasionally.
P14	Dwarf Raven	<i>Corvus edithae</i>	Monotypic. Occurs in half-degree square containing Perim Island Ash & Atkins 2009. Common, widespread & commensal on African side of Bab-el Mandab Strait HBW14 & also on Eritrean islands Londei 2005. NB Closely related to Pied Crow <i>C. albus</i> Jönsson <i>et al</i> 2012.
			Stenostiridae
P15	Grey-headed Canary-flycatcher (Grey-headed Flycatcher)	<i>Culicicapa ceylonensis</i>	IOC2.0 places this species in new family Stenostiridae , Fairy Flycatchers. ssp <i>calochrysea</i> of interest. Occurs up to 2700m R&A 2005. Map in Arlott 2007 suggests breeding area reaches Afghanistan; R&A 2005 map westernmost limit SE Kashmir, Roberts 1992 less optimistic, but H&M4 refers to Himalayan foothills E of N Pakistan. Steve Madge suggests error perpetuated from Baker 1922-29. NB English name amendment reflects separation from true flycatchers IOC2.7
			Paridae
P16	Fire-capped Tit	<i>Cephalopyrus flammiceps</i>	NB Johansson <i>et al</i> 2013 draw up a new phylogeny of Paridae . Claimed summer visitor NE Afghanistan, R&A 2005, 2012 (map), maps M&P 2000, Arlott 2007 also suggest reaches Afghanistan, of which no mention in HBW13 H&M4 (ssp <i>flammiceps</i> N Pakistan). Occurs up to 3000m on open mountain slopes with bushes and scattered deciduous trees & may well occur in such patches in Nurestan & Wakhan; however, Roberts 1992 sceptical of single previous 1924 claim for Afghanistan & R&A 2005 cite 1 record NE Afghanistan, Kandahar; best-known Kandahar is in <u>S. Afghanistan</u> ; Bates & Lowther record range from Afghan border of Pakistan eastwards. Grimmett <i>et al</i> 2009 map to Chinese, not Afghan border; spring overshoot to Wakhan? Ayé <i>et al</i> 2012 make no mention. BirdLife Datazone maps to within 60km of Kamdesh E Afghanistan & of Wakhan.
P17	Yellow-browed Tit	<i>Sylviparus modestus</i>	2015 Ladakh Checklist - BirdLife Datazone maps to westernmost Kashmir; <i>simlaensis</i> Kashmir westernmost range H&M4..
P18	African Blue Tit	<i>Cyanistes teneriffae</i>	Polytypic: ssp cyrenaicae occurs NE Libya IOC6.3. Storm-driven vagrancy Egypt likely?
From James <i>et al</i> 2003, Groundpecker perhaps best placed in own family Pseudopodocidae, ahead of Paridae where IOC3.5 places as <i>Pseudopodoces humilis</i> .			
Although more closely related to Paridae than to Corvidae (Richard Klim <i>in litt</i>), the degree of divergence shown (8-11% from other Parus tits, weakly so Eck & Martens 2006, but about 14% from such as Sittidae and Sturnidae) is calculated solely from mtDNA, and so results from other DNA methods are needed to establish its relationships with other taxa.			
Cai <i>et al</i> 2013 confirm taxon is not a corvid; more Parid and related genomes are required to confirm the taxonomic status and evolutionary relationships of the Ground Tit.			
NB Dai <i>et al</i> 2010 suggest it is sister species to extralimital Yellow-cheeked Tit <i>Parus spilnotus</i> , but with low support and from two samples only; further analysis essential:			
Johansson <i>et al</i> 2013 make strong case to place <i>Parus spilnotus</i> in new extralimital multi-species genus <i>Machtolophus</i> , leaving only the major group & <i>P. monticolus</i> in <i>Parus</i> .			
P19	Groundpecker [Hume's Ground-Jay] (alternatively Ground Tit) (Ground-Tit – HBW 12)	<i>Pseudopodoces humilis</i> (Formerly <i>Parus humilis</i>)	Monotypicity assumed. Previously classed as a small corvid, subsequently as a parid, but James <i>et al</i> 2003 show its genetic divergence from <i>Parus</i> tits is 8-11%, distant enough to merit a separate genus; some Families are separated by slightly greater divergence, but only in the context of other molecular and morphological factors. HBW 12 retain <i>Pseudopodoces</i> genus in Corvidae , but IOC5.4 still includes in Paridae , locating it only in Tibet; H&M4 agree. However, it appears resident also just in Ladakh R&A 2012 (on 2015 Ladakh Checklist without comment) and Nepal. Possibly occurs just in E Kyrgyzstan near Kara-Say on China border (other, distant, places named Kara-Say) (up to 5300m M&B 1994, up to 5500m R&A 2005, 2012, who map species to about 200km E of Wakhan). M&P 2000 map species in E end of Wakhan. Small-scale map Arlott 2007 supportive, as is HBW 12 map, but are errors compounding? Cai <i>et al</i> 2013 show genetic adaptability to high altitude. Johansson <i>et al</i> 2013 include in Paridae as sister to <i>Parus monticolus</i> & to the <i>Parus major</i> complex. Documentation! NB any record must address possibility of species being polytypic , K Roselaar pers comm.
P20	Green-backed Tit	<i>Parus monticolus</i>	Johansson <i>et al</i> 2013 assess as sister to <i>Pseudopodoces humilis</i> and to the <i>Parus major</i> complex. Occurs locally above 3300m R&A 2005. Very similar appearance to European populations of Great Tit <i>P. major</i> . Map in Arlott 2007 suggests occurrence; R&A 2005, 2012 map easternmost limit exactly at Afghan border S of western end of Wakhan, as does map in HBW 12. Grimmett <i>et al</i> 2009 map to border at Kunar river; Afghan occurrence ssp <i>monticolus</i> in Daryā-ye & Konar valleys? Sedentary, little altitudinal migration, avoids drier Himalayan forests Roberts 1992. 3 extralimital ssp further E Eck & Martens 2006.
			Alaudidae
P21	Rufous-tailed Lark	<i>Ammomanes phoenicura</i>	On Avibase website Afghan list without citing source, but R&A 2012 conclusive mapping westernmost population ssp <i>phoenicura</i> in NE Pakistan; only other ssp <i>testacea</i> extralimital in S India.
P22	Chestnut-backed Sparrow Lark	<i>Eremopterix leucotis</i>	Normally ssp <i>melanocephalus</i> reaches in Sudan c 150km of Egyptian border, but movements N occur during rains Nikolaus 1987; possible overshoot in years of exceptional rains; ssp <i>leucotis</i> in s and e Sudan, Eritrea, Ethiopia and nw Somalia
P23	Ashy-crowned Sparrow-Lark	<i>Eremopterix griseus</i>	Monotypic. R&A 2012 map in Pakistan close to E&NE Afghan border.

P24	Mongolian Lark	<i>Melanocorypha mongolica</i>	Monotypic. On-line report for Kyrgyzstan, but more likely to be vagrant easternmost Kazakhstan, which is 750km nearer species' western range limit which lies another 300km further E in Mongolia - BirdLife Datazone map Nov 2015. Documentation?
P25	Tibetan Lark	<i>Melanocorypha maxima</i>	Monotypic. Arlott 2007 map shows extensive area just SE of Wakhan, but <i>Melanocorypha</i> spp prone to wander widely. R&A 2005 map just N of Afghanistan, but R&A 2012 reduce nearest distribution to India-China border. M&P 2000 maps distribution as being S of Wakhan but probably on Pakistan-China border? 2003 Web list Ladakh; BirdLife Datazone map includes easternmost Kashmir, 300km from OSME Region. NB Afghan citation in John Gould's <i>Birds of Asia</i> (vol 4 1867) in error - type locality was Sikkim
			Hirundinidae
PT	Rock Martin PT	<i>Ptyonoprogne fuligula</i> (formerly <i>Hirundo fuligula</i>)	IOC2.0 accepts split, as do www.zoonomen.net, H&M4; no proven records of <i>P.[f.] fuligula sensu novo</i> in Region, but weather-system-driven vagrants likely Egypt, Yemen or SW Saudi Arabia (see Hypothetical List). Surprisingly, Svensson et al 2009 remain with <i>P. fuligula sensu lato</i> , the related map liable to misinterpretation of distribution of <i>fuligula sensu novo</i> . NB Sibley & Monroe 1990 note that Somalian populations of <i>obsoleta</i> occur without any sign of intermediacy toward <i>fuligula</i> in neighbouring Ethiopia; not all agree & a genetic analysis is sorely needed
P26	Rock Martin (African Rock Martin)	<i>Ptyonoprogne (fuligula) fuligula</i> (formerly <i>Hirundo (fuligula) fuligula</i>)	6 extralimital ssp. <i>Ibis</i> (2005), 147 : 821–826. African species T&R 1989. Unconfirmed post-split as occurring in Region (Richard Klim in <i>litt</i>), but ssp <i>pusilla</i> (Ethiopia & Eritrea) & <i>fusciventris</i> (now <i>rufigula</i> , which is no longer pre-occupied in genus) (W&S Sudan, W-C Ethiopia) may occur; all hirundines liable to displacement by weather systems; other 4 ssp remote from Region. NB1 Ash & Atkins 2009, Redman et al 2009 map <i>pusilla</i> on African side of Bab-el-Mandab Strait. NB2 IUCN Redlist maps the sole Red Sea breeding distribution as north of Asmara in Eritrea, & (as <i>Hirundo fuligula</i>) BirdLife Datazone maps N coasts of Eritrea & inland.
P27	Red Sea Cliff Swallow	<i>Petrochelidon perdita</i>	Monotypic. IOC v2.2, H&M4 recognise. Known only from a single specimen, Sangraneb lighthouse 30km offshore, NE of Port Sudan, May 1984 Hume & Walters 2012 App 1. E Sudan, likely to drift to Egypt, possibly to Saudi Arabia Madge & Redman 1989. NB RNBWS database records of 3 "Cliff Swallows <i>Petrochelidon pyrthonota</i> " (USA species) 22 Aug 1965 & one 23 Aug 65 mid-Red Sea (<i>Sea Swallow</i> 18 : 46) possibly this species (ID appearance of 'cliff swallow'; allocated name likely a mistaken transposition from a contemporary taxonomic list, but far more likely Ethiopian Swallow <i>Hirundo aethiopica</i> or even African Rock Martin <i>Ptyonoprogne [fuligula] fuligula</i> (no records in OSME Region as of 2014).
			Cettiidae
P28	Brown-flanked Bush Warbler (Brownish-flanked or Strong-footed Bush Warbler)	<i>Horornis fortipes</i> (<i>Cettia fortipes</i>) (Alström et al 2011c & IOC 2.11)	IOC v2.0 placed Cettiidae ahead of Aegithalidae. NB family name may be invalid on priority grounds Ed Dickinson in <i>litt</i> . Alström et al 2011c found <i>Tesia</i> , <i>Tickellia</i> & Mountain Tailorbird <i>Orthotomus cucullatus</i> to be nested within <i>Cettia</i> , but many taxa formerly included in <i>Cettia</i> removed to new genera, including <i>Horornis</i> . English names below informal @OSME.
P29	Black-throated Tit	<i>Aegithalos concinnus</i>	Taxon <i>pallidus</i> occurs up to 3300m R&A 2005. Map in Arlott 2007 suggests narrow breeding area Afghanistan; R&A map westernmost limit W corner Kashmir. Roberts 1992, Grimmett et al 2009 maps suggests Afghan breeders most likely in Nurestan (Daryā-ye & Konar valleys), WSW of Chitral in Pakistan, as does map in Kennerley & Pearson 2010. As <i>Homochlamys pallidus pallidus</i> , Bates & Lowther 1959 assess it as patchily widespread, making no allusion to its 'Kashmir' distribution beyond their specified area. NB1 IOC2.0 places in Cettiidae , ahead of Aegithalidae . NB2 Taxon <i>pallidus</i> very different from taxon <i>fortipes</i> of West Bengal & even more so from taxon <i>fortipes</i> of Myanmar, Alström et al 2011c: further splits likely.
			Aegithalidae
P30	White-throated Bushtit (White-throated Tit)	<i>Aegithalos niveogularis</i>	On WBDB 2008 Afghanistan checklist as uncertain. H&E 1970 suggest the possibility; likely ssp <i>iredalei</i> of NE Pakistan; 5 extralimital ssp.
P31	White-throated Bushtit (White-throated Tit)	<i>Aegithalos niveogularis</i>	Monotypic. Occurs up to 4000m R&A 2005. Map in Arlott 2007 suggests occurs Afghanistan; R&A 2005 map westernmost limit of mid-Kashmir, largely according with Bates & Lowther 1952, whose area ended there, but BirdLife Datazone map Nov 2015 to within 150km of Khyber.
			Phylloscopidae
P32	Eastern Crowned Warbler	<i>Phylloscopus coronatus</i> (<i>Seicircus coronatus</i> H&M4)	IOC2.0 removes <i>Phylloscopus</i> from Sylviidae and places with <i>Seicircus</i> in new family Phylloscopidae , ahead of Acrocephalidae sensu novo , but the use of that family name considered invalid on priority grounds (Ed Dickinson in <i>litt</i> 2012), which decision is asserted in H&M4, where <i>Phylloscopus</i> & <i>Seicircus</i> are retained as families within a much expanded Phylloscopidae : H&M4 uses as rationale the findings of Olsson et al 2005 to : transfer some species from <i>Phylloscopus</i> to <i>Seicircus</i> , producing an expanded <i>Seicircus</i> : <i>Phylloscopus</i> is further reduced by H&M4 erecting the genera <i>Rhadina</i> & <i>Abromis</i> , again citing Olsson et al 2005. We mark these changes in passing, but will await IOC decision on the strength of that arrangement.
P33	Tickell's Leaf Warbler ('Alpine Leaf Warbler')	<i>Phylloscopus affinis</i>	ssp <i>perflavus</i> occurs up to 4800m R&A 2005: nominate extralimital; W limit of breeding range depicted exactly on N Pakistan-Afghanistan border; Nurestan-Badakhshan & E Wakhan Roberts 1992; Grimmett et al 2009 map suggests that Afghan occurrence likeliest Daryā-ye & Konar valleys. Strong likelihood of wandering, but habitat declining; occurs up to 5000m, Baker 1997, to treeline Bates & Lowther 1952. R&A 2005, Arlott 2007 & BirdLife Datazone Nov 2015 maps depict similarly. Documentation? NB Extralimital populations from E Tibetan plateau & points E&S split as West Chinese Leaf Warbler <i>P. occisnensis</i> Martens et al 2008 ('Alpine Leaf Warbler' H&M4)
P32	Eastern Crowned Warbler	<i>Phylloscopus coronatus</i> (<i>Seicircus coronatus</i> H&M4)	ssp <i>perflavus</i> occurs up to 4800m R&A 2005: nominate extralimital; W limit of breeding range depicted exactly on N Pakistan-Afghanistan border; Nurestan-Badakhshan & E Wakhan Roberts 1992; Grimmett et al 2009 map suggests that Afghan occurrence likeliest Daryā-ye & Konar valleys. Strong likelihood of wandering, but habitat declining; occurs up to 5000m, Baker 1997, to treeline Bates & Lowther 1952. R&A 2005, Arlott 2007 & BirdLife Datazone Nov 2015 maps depict similarly. Documentation? NB Extralimital populations from E Tibetan plateau & points E&S split as West Chinese Leaf Warbler <i>P. occisnensis</i> Martens et al 2008 ('Alpine Leaf Warbler' H&M4)
P32	Eastern Crowned Warbler	<i>Phylloscopus coronatus</i> (<i>Seicircus coronatus</i> H&M4)	Monotypic. Previously plausibly but erroneously <i>occipitalis</i> was considered a ssp of, then a split from <i>P. coronatus sensu stricto</i> on morphology, but now known to be but distantly related Olsson et al 2005: note Vaurie in 1950s treated <i>occipitalis</i> as full species, but subsequently considered it conspecific with <i>coronatus</i> Olsson et al 2005. Rare vagrant to WP, Harrop 2007, 1st for UK Oct 2009; must cross the OSME Region. NB Sikkim Meinertzhagen record fraudulent (see history in Garfield 2007), also in Assam Meinertzhagen records misidentified Blyth's Leaf-Warbler <i>P. reguloides</i> – R&A 2005 (see also Garfield 2007).
P33	Grey-hooded Warbler	<i>Phylloscopus xanthoschistos</i> (formerly <i>Seicircus xanthoschistos</i> , to which H&M4 revert)	Occurs up to 2700m R&A 2005. Map in Arlott 2007 suggests wintering area ssp <i>xanthoschistos</i> NE Afghanistan; R&A 2005 map westernmost limit W corner of Kashmir, similarly M&P 2000, BirdLife Datazone Nov 2015. Grimmett et al 2009 status resident or altitudinal migrant; any Afghan population therefore isolated. 3 extralimital ssp to E.
			Acrocephalidae
			IOC v2.0 removes <i>Acrocephalus</i> & <i>Hippolais</i> from Sylviidae & places with some African genera in new Acrocephalidae , after Phylloscopidae sensu novo . Restructuring of <i>Acrocephalus</i> genus invariable from Fregin et al 2009; details per taxon, but 2 alternative taxonomic approaches outlined, the broader (<i>sensu lato</i> , or <i>sl</i> below) providing less phylogenetic information than the other (<i>sensu stricto</i> : <i>ss</i>), the 2nd option has some conclusions inevitably based on reduced range of DNA samples. Further work may clarify. H&M4 does not mention any adoption of <i>Calamodus</i> or <i>Notiocichla</i> genera as discussed in Fregin et al 2009. NB Kennerley & Pearson 2010 adopt a nominally conservative taxonomic approach, but emphasise strongly that much change is likely to follow

PT	Reed Warbler PT	<i>Acrocephalus scirpaceus</i>	Olsson <i>et al</i> 2016, in a wide-ranging study, found 8 lineages (<i>scirpaceus</i> , <i>fuscus</i> , <i>avicenniae</i> , <i>ambiguus</i> , <i>minor</i> , <i>cinnamomeus</i> , <i>halla</i> , <i>baeticatus</i> : <i>halla</i> & <i>baeticatus sensu novo</i> are wholly extralimital; <i>ambiguus</i> sp <i>novo</i> may occur in westernmost Egypt) & call for reed warbler complex to be comprehensively re-analysed (Iaw Parkin & Knox 2010, Winkler <i>et al</i> 2012; reinforcing the need for redefining ssp boundaries as flagged by Kennerley & Pearson 2010 who had also suggested SW Asian and C Asian populations may be separable since origin of some wintering birds unknown). Olsson <i>et al</i> 2016 via a suite of molecular techniques, found all lineages (Clades) diverged before the last glacial maximum; in places, Clades misalign with current understanding: in particular, populations in Iberia & probably all of North Africa E to Egypt belong to a new species <i>A. ambiguus</i> 'Brehm's Reed Warbler' (see Hypothetical section), incorporating the 'baeticatus' individuals of Hering <i>et al</i> 2011; <i>ambiguus</i> may yet be found in western Egypt oases. Given that Olsson <i>et al</i> 2016 represents a single line of study, that there is a lack of proof of reproductive isolation between taxa, and that corroborative studies are needed, they conclude that the most conservative taxonomy to adopt would be to consider all lineages as ssp of <i>A. scirpaceus</i> . However, in the ORL, we will accept <i>pro tem</i> the null hypothesis of a lack of free interbreeding to suggest possible full species. Hering <i>et al</i> 2009, 2010a, 2010b, 2011 documented puzzlingly 'odd' breeding populations scattered across N Africa. Kirwan <i>et al</i> 2008 warned individual variations risked blurring morphological & ID conclusions, since documented by significant rate of mislabelled specimens found by Arbabi <i>et al</i> 2014a who also proved this taxon basal to <i>scirpaceus</i> & <i>fuscus</i> (0.7MYA v 0.48mya). Identity & relationships of isolated small breeding populations at oases in SE Egypt & SW Libya have yet to be finalysettled.
P34	'Brehm's Reed Warbler'	<i>Acrocephalus [scirpaceus] ambiguus</i>	Clade 4 in Olsson <i>et al</i> 2016. Monotypic. IOC v2.3 accepted split of <i>baeticatus</i> , which would have appeared to remove this taxon from the OSME Passerine List, since it would be wholly an African species (see also BoA Vol V) if Mangrove Reed Warbler <i>A.(b.) avicenniae</i> were separated from this complex (Dickinson 2003 placed this taxon under <i>A. scirpaceus</i>). However, Olsson <i>et al</i> 2016 further reduce <i>A.(s.) baeticatus</i> to southern Africa (Clade 6), & recast Iberian & North African populations into <i>A. ambiguus</i> sp <i>novo</i> , raising possibility of this taxon (part of 'baeticatus' in Hering <i>et al</i> 2011 in E Libya) in W Egypt. See also Hering <i>et al</i> 2009, 2010. English name informal@OSME, derived from lectotype <i>Calamoherpe ambigua</i> (Brehm 1857). NB1 Ash & Atkins 2009 omit any mention. NB2 May move to new genus <i>Notiocichla</i> as <i>N. baeticata</i> . NB3 DNA & vocalisation separation of <i>baeticatus</i> taxa & <i>scirpaceus</i> taxa low, but see Hering <i>et al</i> 2010b for first finding of molecular separation and sympatric breeding with Eurasian Reed Warbler <i>A. scirpaceus</i> in Libya. NE African populations to be better sampled; other factors perhaps involved Kennerley & Pearson 2010
		Locustellidae	IOC v2.0 removed <i>Bradypterus</i> & <i>Locustella</i> from Sylviidae and placed in existing Megaluridae , which followed new families of Phylloscopidae and Acrocephalidae . IOC 2.6 reverted to Locustellidae on priority grounds; H&M4 follows. Kennerley & Pearson 2010 remained with Locustellidae as family name, although they were unable to take into account the most recent molecular phylogenetic conclusions. Alström <i>et al</i> 2011b subsume all Asian <i>Bradypterus</i> in <i>Locustella</i> , noting Common Grasshopper Warbler <i>L. naevia</i> seems closer to former <i>B. major</i> than to other <i>Locustella</i> warblers.
PT	Spotted Bush Warbler PT	<i>Locustella thoracica</i> (Formerly <i>Bradypterus thoracicus</i>)	Alström <i>et al</i> 2008a, H&M4 split into <i>B. (t.) thoracicus</i> (extralimital, E of central Himalayas), West Himalayan Bush Warbler <i>B.kashmirensis</i> and Baikal Bush Warbler <i>B. davidi</i> , which is Siberian Bush Warbler of HBW11. Kennerley & Pearson 2010 treat <i>davidi</i> as separate as do Alström <i>et al</i> 2011b, who also subsume all Asian <i>Bradypterus</i> in <i>Locustella</i> .
P35	West Himalayan Bush Warbler	<i>Locustella kashmirensis</i> (Formerly <i>Bradypterus thoracicus</i>) <i>kashmirensis</i>)	Monotypic. This W Himalayan taxon might well be a vagrant to suitable habitat in Wakhan valleys, but Kennerley & Pearson 2010 map much more distantly than earlier authors.
P36	Baikal Bush Warbler (Siberian Bush Warbler) (Père David's Bush Warbler)	<i>Locustella davidi</i> (Formerly <i>Bradypterus [thoracicus] davidi</i>)	Alström <i>et al</i> 2008a map northeasternmost breeding range of ssp <i>suschkini</i> near source of Ob, Altai S-C Russia, within reasonable distance of easternmost Kazakhstan, Kennerley & Pearson 2010 placing just to N. Flint <i>et al</i> 1984, also Sayan Mts Krasnoyarsk Republic Rogacheva 1992. Shimba 2007 map suggests in easternmost Kazakhstan (as Spotted Bush Warbler <i>B. thoracicus</i>); nominate breeds further E. Documentation?
P37	Chinese Bush Warbler	<i>Locustella tacsanowskia</i> (Formerly <i>Bradypterus tacsanowskii</i>)	Monotypic. Vagrant in Sayan Mts Krasnoyarsk Republic, not far from easternmost Kazakhstan Rogacheva 1992, Kennerley & Pearson 2010 suggesting nearest breeding grounds c600km to NE. NB A wintering population crosses Himalayas to winter S Nepal, N India R&A 2005. Shimba 2007 map suggests westernmost range limit roughly at 90°E.
P38	Gray's Grasshopper Warbler	<i>Locustella fasciolata</i>	Monotypic. Easternmost breeding range fairly close to NE Kazakhstan, Flint <i>et al</i> 1984, Shimba 2007, Kennerley & Pearson 2010; 300km BirdLife Datazone map Nov 2015. Documentation? Occurs Krasnoyarsk Republic Rogacheva 1992. NB Rare vagrant to WP, Harrop 2007. Arlott 2007 map tentatively suggests easternmost Kazakhstan.
		Cisticolidae	Alström <i>et al</i> 2011a, IOC2.7 find that Scrub Warbler <i>Scotocerca inquieta</i> belongs to Cettidae (<i>qv</i>) & not Cisticolidae ; H&M4 place in Scotocercidae , as does IOC4.4.
P39	Rufous-fronted Prinia	<i>Prinia buchanani</i>	Monotypic. On-line claim Afghanistan not supported Baker 1997, but mapped Pakistan along border at Khyber; R&A 2005, the same; map Grimmett <i>et al</i> 1998 on NE Pakistan-Afghanistan border. Roberts 1992 maps into Afghanistan at Khyber and nearly so at Thal to S; Grimmett <i>et al</i> 2009 map likewise. Documentation?
P40	Grey-breasted Prinia	<i>Prinia hodgsonii</i>	Grimmett <i>et al</i> 2009 map <i>rufula</i> in N Pakistan up to N Swat, dense scrub or dry forest, could well occur similar habitat Afghan Daryā-ye & Konar valleys. 5 other, extralimital ssp to SE & E.
P41	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	ssp <i>sindiana</i> locally common along water margins in Pakistan almost to the Kurram (Grimmett <i>et al</i> 2009), where may extend irregularly into Afghanistan. 6 other extralimital ssp to SE & E to Borneo.
P42	Ashy Prinia	<i>Prinia socialis</i>	R&A map ssp <i>stewarti</i> in Pakistan close to E Afghan border. 3 other extralimital ssp to E & S.
P43	Cricket Longtail (Cricket Warbler H&M4)	<i>Spiloptila clamans</i>	Monotypic genus. Recorded Sudan in 120km ² square 21°N, 31°E just below Egyptian border Nikolaus 1987, possibly an isolate population; BirdLife Datazone Nov 2015 maps to Eritrean coast. Also recorded Morocco, N of Sahara Amezian <i>et al</i> 2011
P44	Common Tailorbird (Formerly Indian Tailorbird)	<i>Orthotomus sutorius</i>	Roberts 1992 maps ssp <i>guzuratus</i> almost to Afghan border at Thal & Khyber, also Grimmett <i>et al</i> 2009, BirdLife Datazone Nove 2015. Species adaptable to most deciduous habitats. IOC v2.0, H&M4 place in Cisticolidae . 8 other extralimital ssp to S & E. Alström <i>et al</i> (in prep) find that <i>Tesia</i> , <i>Tickellia</i> & Mountain Tailorbird <i>Orthotomus cucullatus</i> are nested within <i>Cettia</i> .
		Pellorneidae	Ground-babblers . Transfer from <i>Prinia</i> Olsson <i>et al</i> 2013b, IOC 3.4 draft
P45	Rufous-vented Prinia (Long-tailed Grass Babbler H&M4)	<i>Laticilla burmesii</i> (formerly in <i>Prinia</i>); Olsson <i>et al</i> 2013b	ssp <i>burmesii</i> widespread along water margins in Pakistan almost to the Khyber (Grimmett <i>et al</i> 2009), where possibly extends irregularly into Afghanistan. This sp may yet be split H&M4. 2 other extralimital ssp to E & S.
		Leiotherichidae	New family as per IOC 2.6 for certain taxa formerly in Timaliidae . H&M4 extract several spp from <i>Turdoides</i> into new genus <i>Argya</i> on molecular trends indicating monophyly. We await IOC view.
P46	Striated Babbler	<i>Turdoides earlei</i> (<i>Argya earlei</i>)	ssp <i>sonivia</i> mapped to Afghan border NE of Jalalabad Roberts 1992, Grimmett <i>et al</i> 2009; breeds up to 1800m & becomes dominant in irrigated forest plantations. N nominate only other ssp extralimital to E & SE.

P47	White-throated Laughingthrush	<i>Garrulax albogularis</i>	IOC2.6 revises R&A 2005 proposal to transfer swathe of spp from <i>Garrulax</i> to <i>Trochalapteron</i> , reducing it slightly, leaving this sp unchanged. However, Moyle <i>et al</i> 2012 revise Timaliidae , proposing inclusion of this taxon in <i>Ianthocincla</i> ; many genera subsumed under subfamily Leiothrichinae . Map in Arlott 2007 suggests spp <i>whistleri</i> (NE Pakistan) in Region, but possible error of map swap in Arlott 2007 with Variegated Laughingthrush <i>T. [g.] variegatus</i> (qv in ORL Passerines)? Arlott 2007 may have used maps or same source data as M&P 2000, whose texts agree with R&A texts but not with maps. R&A 2005 maps & species accepted here as correct – westernmost limit isolated (& declining?) population NE Pakistan; 3 other extralimital ssp to E as far as China. NB Remaining population Pakistan only in Poonch Grimmett <i>et al</i> 2009; noisy & conspicuous species. H&E 1970 speculate Vaurie accepted 1 record in Safed Koh but this range is also in Pakistan under the same name (Roberts 1991); no confirmed record from Afghan territory (Steve Madge pers comm to Mike Evans). On WBDB Afghanistan checklist as uncertain - same error as above? We consider OSME Region occurrence now highly unlikely.
		Sylviidae	Considerable body of convincing evidence requires rearrangement of Sylviidae <i>sensu lato</i> , separating new Phylloscopidae & Acrocephalidae and placing <i>Locustella</i> & <i>Bradypterus</i> in existing Megaluridae ; see eg Alström <i>et al</i> 2006; IOC v2.0 adopted this major revision, but Alström <i>et al</i> 2011b notes Megaluridae junior to Locustellidae , which is reinstated; also IOC2.7. Voelcker & Light 2011, <i>inter alia</i> , revealed within Sylviidae a genus-level divergence (clade 1 versus clade 2 + clade 3); H&M4 retain <i>Sylvia</i> for clade 1 (4 spp) and resurrect <i>Curruca</i> for clades 2 & 3 (25 spp including lumped Lesser Whitethroat ssp), involving considerable resequencing. We note these changes, but await IOC adoption.
PT	Desert Warbler PT	<i>Sylvia nana</i> (<i>Curruca nana</i>)	Basal to clades 2 & 3 Voelcker & Light 2011. Re Parent Taxon , HBW does not split, IOC2.0 & H&M4 split to African Desert Warbler <i>S. deserti</i> . Parkin & Knox 2010 note the lack of published DNA evidence (believed to show wide separation).
P48	African Desert Warbler	<i>Sylvia [n.] deserti</i> (formerly <i>S.n. deserti</i>) (<i>Curruca [n.] deserti</i> H&M4)	Resident W Libya. Claimed Egypt Avib. Highly likely vagrant. Documentation!
PT	Marmora's Warbler PT	<i>Sylvia sarda</i> (<i>Curruca sarda</i> H&M4)	PT: Bairlein <i>et al</i> 2006 split to extralimital Balearic Warbler <i>S.[s.] balearica</i> (on morphology, vocalisation & genetics, Anderson <i>et al</i> 2009) BLI disagreed (see ORL Hypothetical List), but IOC2.0, Sangster <i>et al</i> 2012, H&M4 support.
P49	Balearic Warbler {Marmora's Warbler}	<i>Sylvia (sarda) balearica</i> (<i>Curruca [s.] balearica</i> H&M4)	Clade 2 Voelcker & Light 2011. Monotypic. Presumably mostly resident, hence unlikely to reach OSME Region from W Mediterranean, but some small populations (eg Pantelleria, Kuriate Islands) east of all <i>sarda</i> populations; vagrancy possible when very strong spring westerlies occur (not uncommon when depressions over northern Mediterranean countries, eg 35 days out of 42 Cyprus Apr-May 2008). Documentation!
PT	Subalpine Warbler PT (Taxa morphologically very similar, esp. ♀♀; syntopic populations consequential of pre-mating isolation (Brambilla <i>et al</i> 2008) in winter quarters? cf <i>Ficedula</i> females Sætre & Sæther 2010	<i>Sylvia cantillans</i> (<i>Curruca cantillans</i> H&M4)	PT history: eg 1 sp (4 ssp) <i>inornata</i> (NW Africa) <i>albirostrata</i> (W form: Trieste area down Dalmatian coast. E form: continuously to Greece, Crete, Tyrrhenian islands & W Turkey) <i>cantillans</i> (W form: Iberia & S France. E form Italy) & (the then doubtful) <i>moltonii</i> (≡ <i>subalpina</i> ; often subsumed in <i>cantillans</i>) of W Mediterranean islands. Later, split into E & W groups (as in ORL to v2.2) arbitrary, less evidence-based. Breeding dynamics (Italian mainland, mostly), DNA & song research supports 3 main mt lineages (but across previous concepts): <i>moltonii</i> (Balearics, Sardinia, Corsica & NW Italy [formerly partly within <i>cantillans</i> continuity]); western <i>cantillans</i> Iberia/S France; Italian (southern) <i>cantillans</i> & <i>albirostrata</i> (data lacking <i>inornata</i> assessment Brambilla <i>et al</i> 2008). Although <i>moltonii</i> partly cryptic (Brambilla <i>et al</i> 2009), thus occupies different distribution to any ever described under ' <i>subalpina</i> '; warrants species status? IOC v2.3 agreed as Moltoni's Warbler (see Hypothetical List), but Svensson 2013 seemingly finalises relationships into 3 lineages as forecast by Brambilla <i>et al</i> 2008, but name <i>subalpina</i> has priority over <i>moltonii</i> . We align with Svensson 2013 & H&M4. Voelcker & Light acknowledge Brambilla <i>et al</i> 2008 & Svensson 2013, but their samples did not include all these taxa.
P50	Moltoni's Warbler	<i>Sylvia [cantillans] subalpina</i> (syn. <i>S. moltonii</i>) (<i>Curruca [c.] subalpina</i> H&M4)	Clade 2 Voelcker & Light 2011. Monotypic. Unlikely spring vagrant; partly-cryptic species; Tyrrhenian islands & parts of NW Italy Brambilla <i>et al</i> 2008, 2009; Svensson <i>et al</i> 2009. NB <i>sensu stricto</i> , <i>subalpina</i> has priority over <i>moltonii</i> , but case put by Baccetti <i>et al</i> 2007 to use <i>moltonii</i> on grounds that <i>subalpina</i> 's previous usage covered a much larger population distribution, as emphasised in Brambilla <i>et al</i> 2008, 2009; however, IOC4.1 opted to retain <i>subalpina</i> for the amended distribution.
P51	Yellow-eyed Babbler	<i>Chrysomma sinense</i>	Main habitat preference ssp <i>hypoleucum</i> Pakistan cane grass, but adaptable to artificial habitats Grimmett <i>et al</i> 2009; extensive range mapped close to Khyber; perhaps irregular on Afghan side. NB Change to Sylviidae follows Gelang <i>et al</i> 2009; IOC 2.6. 5 other extralimital ssp to E & SE.
PT	Chinese Hill Warbler PT	<i>Rhodopophilus pekinensis</i>	Leader <i>et al</i> 2013 split into Tarim Babbler <i>R. [p.] albosuperciliaris</i> and distantly extralimital Beijing babbler <i>R. [p.] pekinensis</i> . IOC5.3 agrees; H&M4 does not split.
P52	Tarim Babbler (Chinese Hill Warbler; Chinese Bush-dweller, HBW 12)	<i>Rhodopophilus [pekinensis] albosuperciliaris</i> (<i>Rhopophilus pekinensis</i>)	Now separated from extralimital <i>R. albosuperciliaris</i> , both monotypic Leader <i>et al</i> 2013, IOC5.3; breeds westernmost China, may occur where Toxkan He river enters Kyrgyzstan, or on E slopes above river Dar' yoi Oqsu in Tajikistan; extrapolate from Baker 1997. Map, Arlott 2007, suggests may breed close to E end of Wakhan; M&P 2000 map westernmost limit at E end Wakhan. Shamba 2007 map suggests resident along these borders but also in easternmost Kazakhstan. HBW 12 suggests just reaches Region as above, but removes from Cisticolidae , as does IOC v2.0. Nominate only other ssp much further E, Documentation! NB Change to Sylviidae follows Johanson <i>et al</i> 2008, Gelang <i>et al</i> 2009; IOC 2.6.
		Zosteropidae	
P53	African Yellow White-eye (Senegal White-eye)	<i>Zosterops senegalensis</i>	African species, at one time reported on-line in Arabia. Documentation? No records Oman, Jens Eriksen pers comm. NB ssp <i>senegalensis</i> fairly common resident in W Ethiopia Ash & Atkins 2009; all other 13 ssp extralimital in Africa by some distance..
		Sturnidae	Many sturnid spp continue to be introduced, particularly because many cultures have a long history of bird-keeping, but also because of developing prosperity funding the trade in exotics Blackburn <i>et al</i> 2015.
P54	Black-collared Starling	<i>Gracupica nigricollis</i> (formerly <i>Sturnus nigricollis</i>)	Monotypic. On Avibase website Israel list as Introduced
P55	Daurian Starling (formerly Purple-backed Starling)	<i>Agropsar sturninus</i> (formerly <i>Sturnus sturninus</i>)	Monotypic. Change of genus follows Lovette & Rubenstein 2007, Lovette <i>et al</i> 2008, Knox <i>et al</i> 2008. Rare vagrant WP Harrop 2007 – must cross OSME Region. Vagrant N Pakistan near Wakhan R&A 2005. Commonly traded cagebird.
P56	Purple Starling	<i>Lamprotornis purpureus</i>	Breeds sub-Sahel band E to W Kenya HBW14; on Avibase website Israel list as Introduced, but evidence lacking.
		Turdidae	
PT	Plain-backed Thrush PT	<i>Zoothera mollissima</i> (s.l.)	Alström <i>et al</i> 2016 split Plain-backed Thrush <i>Z. mollissima sensu lato</i> into 3 spp: <i>Z. mollissima sensu stricto</i> , Alpine Thrush, absorbing <i>whiteheadi</i> (as not worthy of recognition, synonymous with <i>simlaensis</i>); <i>Z. griseiceps</i> , Sichuan Thrush; <i>Z. salimalii sp novo</i> Himalayan Forest Thrush. <i>Z. mollissima</i> s.s. occurs from northernmost Pakistan (hence its inclusion here) to India and also in Yunnan, China; the discontinuity may be more apparent than real, but 'Yunnan Thrush' may be a new species. <i>Taxa griseiceps</i> and <i>salimalii</i> are wholly extralimital.
P57	Alpine Thrush	<i>Zoothera mollissima</i> (s.s.)	Westernmost distribution of this open-space thrush is northernmost Pakistan fairly close to E Afghanistan
P58	Grandala	<i>Grandala coelicor</i>	Occurs Karakoram Pakistan to within 80km of Kamdesh E Afghanistan and 100km from Wakhan BirdLife Datazone map Nov 2015.

P59	Grey-winged Blackbird	<i>Turdus boulboul</i>	Monotypic. NE Afghanistan – map Clement & Hathway 2002, likely habitat, ban oak <i>Quercus incana</i> , HBW10, but not supported R&A 2005. Grimmett <i>et al</i> 1998, 'common, but very local' in Pakistan. Roberts 1992 text suggests unlikely, as it prefers Himalayan-type moist forest community.
PT	Eurasian Blackbird PT (Common Blackbird)	<i>Turdus merula</i>	Re Parent Taxon ; IOC2.0 accepts splits of Tibetan Blackbird <i>T.[m.] maximus</i> and extralimital Indian Blackbird <i>T.[m.] simillimus</i> (R&A 2005).
P60	Indian Blackbird	<i>Turdus [merula] maximus</i>	Monotypic. Breeds N Pakistan. Bates & Lowther 1952, accustomed to the UK <i>T.[m.] merula</i> , noted this taxon as commonplace 'not below 11 000 feet (3400m) while breeding', but otherwise overlooked it. Given its occurrence both sides of the Himalayas & apparently up to the Pakistan border with Afghanistan as mapped R&A 2012, likely occurs in the Wakhan Pamirs. BirdLife taxonomy undeveloped - boundary between <i>merula</i> & <i>boulboul</i> not indicated.
		Muscicapidae	
P61	White-bellied Redstart (Hodgson's Shortwing)	<i>Luscinia phoenicuroides</i> (IOC) (<i>Hodgsonius phoenicuroides</i>) (not <i>phaenicuroides</i>) (H&M3 corrigenda 8, IOC 2.6) H&M4 <i>phaenicuroides</i>	H&M4 listed distributions remote from Region for both ssp. Not recorded Afghanistan. However, Bates & Lowther were unusually emphatic "known breeding range extends from NW Frontier"; Grimmett <i>et al</i> 2009 map disjunct population in Hindu Kush, c60km NW of Chitral polo ground. Furthermore, Clement & Rose 2015 cite Raja <i>et al</i> 1999 recording breeding at Palas, NW Frontier, just 70km from Afghanistan at same latitude. Moreover, a known Pakistan breeding site at 3350m tree limit is very close to S side of Wakhan where much little-known land is at this altitude Roberts 1992, but R&A 2012 map only in India. NB1 spelling correction scientific name H&M4. NB2 Sangster <i>et al</i> 2010, Zuccon & Ericsson 2010b find this taxon nested in the <i>Luscinia</i> clade.
PT	White-tailed Rubythroat PT	<i>Calliope pectoralis</i> (<i>Luscinia pectoralis</i>)	Liu <i>et al</i> 2016 demonstrate through integrative taxonomy that White-tailed Rubythroat <i>C. pectoralis sensu lato</i> merits separation into two species, polytypic Himalayan Rubythroat <i>C. pectoralis sensu strictu</i> (ssp <i>pectoralis</i> & <i>bailloni</i>) & extralimital polytypic Chinese Rubythroat <i>C. tschebawei</i> (ssp <i>tschebawei</i> & <i>confusa</i>): the former is listed <i>Passerines</i> .
P62	Chinese Rubythroat	<i>Calliope [pectoralis] tschebawei</i>	2 ssp. <i>confusa</i> Nepal to Bhutan & nominate N Kashmir through Tibet C China to Myanmar; Kashmir birds may stray into OSME Region
P63	Golden Bush Robin	<i>Tarsiger chrysaeus</i>	Very diverse habitat preferences; up to 4600m Himalayas HBW11. Rare Pakistan Grimmett <i>et al</i> 2009, where ssp <i>whistleri</i> recorded for the first time at up to 3350m; ssp <i>chrysaeus</i> remote to E. On higher slopes of Afghan Daryā-ye & Konar valleys?
P64	Mugimaki Flycatcher (Black-and-Orange Flycatcher)	<i>Ficedula mugimaki</i>	Monotypic. Rare vagrant to WP, Harrop 2007, must cross the OSME Region, nearest breeding population from Russian Altai just beyond Kazakh Altai; eg accepted record Italy Oct 2011 Barezani & Ebels 2012. Breeds abundantly in southern taiga & Sayan Mts just to NE of Region Rogacheva 1992. Map in Shimba 2007 covers easternmost Kazakhstan – error?
P65	Kashmir Flycatcher	<i>Ficedula subrubra</i>	Monotypic. Rare and local Pakistan Grimmett <i>et al</i> 2009, Neelum watershed, but only one record in S Chitral. Any Afghan occurrence might be spring overshoot from Sri Lanka winterers in deciduous temperate forest, in eg Daryā-ye & Konar valleys.
P66	Chestnut-bellied Rock Thrush	<i>Monticola rufiventris</i>	Monotypic. Common in scattered populations up to 3000m Pakistan Grimmett <i>et al</i> 2009; any Afghan population in rocky terrain would be in moist temperate forest, possibly in Daryā-ye & Konar valleys.
P67	White-tailed Stonechat	<i>Saxicola leucurus</i>	Monotypic. R&A 2012 map in Pakistan close to E&NE Afghan border.
P68	Grey Bush Chat (Grey Bushchat)	<i>Saxicola ferreus</i> (formerly <i>Saxicola ferrea</i>)	2 ssp. nominate Pakistan & to E&SE; <i>haringtoni</i> S Tibet & China. R&A 2012 place in <i>Rodophila</i> . Occurs up to 3000m R&A 2005. Map in Arlott 2007 suggests narrow breeding area reaches Afghanistan; R&A 2005 map westernmost limit in Pakistan W of Kashmir; Clement & Rose 2015 map to close to Wakhan corridor in N Pakistan. Roberts 1992 map away from Afghan border, E of Chitral, Grimmett <i>et al</i> 2009 agrees; perhaps in Daryā-ye & Konar valleys. Vaurie vaguely cites 'from the Afghan border' - Steve Madge <i>in litt</i> to Mike Evans.
Aliabadian <i>et al</i> 2012 found that open-habitat chats belong to several clades; clades 3 and 4 apply to the OSME Region. Future taxonomic separation of these clades might occur.			
Clade 3			
P69	Heuglin's Wheatear	<i>Oenanthe heuglini</i>	Monotypic. Previously regarded as ssp of Red-breasted Wheatear <i>O. bottae</i> , but split since IOC v1.7 at least. May occur (may have occurred when treated as <i>O. bottae</i> ?) as vagrant in Arabia from SW Sudan.
PT	Black-eared Wheatear PT	<i>Oenanthe hispanica</i>	IOC5.4 does not split, despite Aliabadian <i>et al</i> 2012. For Eastern Black-eared Wheatear <i>O.(h.) melanoleuca</i> , see <i>Passerine List</i> . NB both taxa include pale- and dark-throated morphs.
P70	Western Black-eared Wheatear (Black-eared Wheatear)	<i>Oenanthe (hispanica) hispanica</i>	Almost certainly migrant individuals from N Croatian population reach Turkey regularly (especially Aegean islands), Cyprus or Egypt. Documentation?
Clade 4			
P71	Somali Wheatear	<i>Oenanthe phillipsi</i>	For the distribution map of this species, Clements & Rose 2015 map a line between Cape Gardafui and Socotra, but include Abd-al-Kuri, which lies in the OSME Region. If intentional, this suggests that this highly sedentary species has reached Abd-al-Kuri, but we know of no supporting documentation. If the line includes Abd-al-Kuri unintentionally, then the map in Clement & Rose 2015 is seriously inaccurate. In any case, Abd-al-Kuri is but 70km from Cape Gardafui.
Passeridae			
P72	Père David's Snowfinch (Small Snowfinch)	<i>Pyrgilauda davidiana</i> (formerly <i>Montifringilla davidiana</i>)	2 ssp: <i>potanini</i> westernmost Russian breeding range SE Russian Altai, where scarce, very close to easternmost Kazakhstan, Flint <i>et al</i> 1984, Clement <i>et al</i> 1993. M&P 2000 map near NE Kazakhstan border; in W Mongolia Bräunlich 2012. N nominate remote S Mongolia, NC China. NB1 HBW14 uses English name of 'Ground-sparrow' for <i>Pyrgilauda</i> taxa and maps remote from Region, but it has occurred in SW Tuva Republic, close to easternmost Kazakhstan Rams 1991. NB2 In Tibet, breeds in abandoned black-lipped pika <i>Ochotona curzonia</i> burrows Li <i>et al</i> 2013.
P73	Blanford's Snowfinch (Plain-backed Snowfinch)	<i>Pyrgilauda blanfordi</i> (formerly <i>Montifringilla blanfordi</i>)	3 ssp. nominate Ladakh to China, other ssp further E. Occurs up to 5500m R&A 2005. Map in Arlott 2007 suggests resident close to E end of Wakhan; R&A 2005 map westernmost limit E of Kashmir. M&P 2000 map in China to Pakistan border just S of Wakhan. NB HBW14 uses English name of 'Ground-sparrow' for <i>Pyrgilauda</i> taxa & maps remote from Region.
Ploceidae			
Many ploceid spp continue to be introduced, particularly because many cultures have a long history of bird-keeping, but also because of developing prosperity funding the trade in exotics Blackburn <i>et al</i> 2015.			
P74	African Masked Weaver (Southern Masked Weaver)	<i>Ploceus velatus</i>	Monotypic; from southern Africa. Still on Avibase website Israel list Dec 2014 as Introduced; confusion with another weaver species?
P75	Black-winged Red Bishop	<i>Euplectes hordeaceus</i>	African species, 2 ssp; likely <i>craspedopterus</i> of South Sudan source of Region introduction. Likely breeds small numbers Dubai Aspinall 2010. Possibly established for some time due to confusion with Southern Red Bishop <i>E. orix</i> (qv ORL <i>Passerine</i> section).
Estrildidae			
Many estrildid spp continue to be introduced, particularly because many cultures have a long history of bird-keeping, but also because of developing prosperity funding the trade in exotics Blackburn <i>et al</i> 2015.			
P76	Cut-throat Finch	<i>Amadina fasciata</i>	African species, 4ssp, 2 ssp close to Region: <i>alexanderi</i> Eritrea, Ethiopia, Somalia to SE South Sudan; nominate Sudan, likely that recorded Sudan in 120km ² square just below Egyptian border, 21°N, 31°E Nikolaus 1987, likely vagrant. Single escape record Oman 1998 OBL7 .
P77	Red-billed Firefinch	<i>Lagonosticta senegala</i>	African species, 7 ssp, 3 close to Region: <i>rhodopsis</i> Sudan, N&W South Sudan; <i>brunneiceps</i> SE South Sudan, SW, C&E Ethiopia; <i>somaliensis</i> Somalia, SE Ethiopia to ports of E Kenya, E Tanzania. Introduced Egypt WBDB 2008 checklist, on WCMC list as extirpated introduced breeder, but lacks reference & any indication of duration. HBW15 maps (<i>rhodopsis</i> ?) very close to Egypt-Sudan border

P78	Chestnut Munia (formerly ssp of Black-headed Munia as per H&M4)	<i>Lonchura atricapilla atricapilla</i>	Black-headed Munia may split as long proposed into 3 spp, H&M4. awaits better sampling density & further molecular techniques, but IOC has split; <i>L. atricapilla</i> has 7 ssp. Escapes encountered in UAE, but breeding status uncertain Aspinall & Porter 2011
P79	Java Sparrow	<i>Lonchura orizythora</i> (formerly <i>Padda orizythora</i>)	Monotypic. Very popular cagebird worldwide. Escapes encountered in UAE, but breeding status uncertain Aspinall & Porter 2011, single 1999-2005 record Oman OBL7 .
		Viduidae	
P80	Pin-tailed Whydah	<i>Vidua macroura</i>	Monotypic: nearest population Ethiopia. Escapes encountered in UAE, but breeding status uncertain Aspinall & Porter 2011 due to seeming lack of host species: Indian Silverbill <i>Eudice malabarica</i> one possibility.
		Prunellidae	
P81	Kozlov's Accentor (Mongolian Accentor)	<i>Prunella koslowi</i>	Monotypic. H&M4 place from W Mongolia to points E, and so probably not far from region; occurs on plains in winter. Inclusion here suggested Axel Bräunlich <i>in litt</i> .
		Fringillidae	
P82	Dark-breasted Rosefinch	<i>Procarduelis nipalensis</i> (Zuccon <i>et al</i> 2011; IOC3.3) (formerly <i>Carpodacus nipalensis</i>)	2 ssp, <i>kangrae</i> in Kashmir, apparently occurs up to 3300m R&A 2005. Map in Arlott 2007 suggests breeding E Afghanistan; R&A map westernmost limit 200km E of easternmost Pakistan, as does M&P 2000 and also Roberts 1992, where scarce at c3000m. HBW15 maps remote from Pakistan to E. Nominate E of W Nepal & in China.
P83	Sillem's Rosefinch (Sillem's Mountain Finch)	<i>Carpodacus sillemi</i> (<i>Leucosticte sillemi</i>)	Sangster <i>et al</i> 2016 show by molecular analysis that this taxon is a full species belonging to <i>Carpodacus</i> , not <i>Leucosticte</i> . Its lack of red pigmentation is likely to represent a secondary loss related to differences in carotenoid metabolism, in dietary intake of carotenoids or in exposure to environmental factors affecting pigmentation Inouye <i>et al</i> 2001, Olson & Owens 2005. The large distance (1500 km) between the specimen collection site (Western Tibet, 1929) and the sightings in 2012 and 2013 (Western Xinghai) suggest that <i>C. sillemi</i> is a wide-ranging species that probably occurs only locally at low densities at 4500-5400m, possibly due to narrow habitat or dietary requirements. Much topography within that altitude band also exists west and north of the collection site within the easternmost part of the OSME Region.
P84	Parrot Crossbill	<i>Loxia pytyopsittacus</i>	Arlott 2007 indicated occurrence in Region in NW Kazakhstan & likely occasional irruptive occurrence further S. This species' irruptive movements usually short -distance, but although long-distance irruptions have been documented, none are adequate for Kazakh records to meet modern ID standards. It is likely that the species has occurred in W Kazakhstan, but until an accepted record is published, this taxon is considered hypothetical. NB This taxon not genetically distinct from Common Crossbill <i>L. curvirostra</i> , but is distinct morphologically, & mates assortatively Summers <i>et al</i> 2007, Johnsen <i>et al</i> 2010.
		Emberizidae	
P85	Crested Bunting	<i>Emberiza lathamii</i> (Formerly <i>Melophus lathamii</i>)	Alström <i>et al</i> 2008b synonymise in <i>Emberiza</i> , H&M4 do not. Known to breed up to 150km from Afghan border in Swat district, Pakistan. Closely associated with 'Chir' pine <i>Pinus roxburghii</i> tracts at 1000-1800m asl. Satellite IR-response analysis could identify <i>P. roxburghii</i> tracts in nearby Afghanistan. Not site-faithful during migration Bates & Lowther 1959.
P86	Yellow-browed Bunting	<i>Emberiza chrysophrys</i> (<i>Schoeniclus chrysophrys</i> H&M4)	H&M4 transfer to new genus <i>Schoeniclus</i> . Rare WP vagrant Harrop 2007 – probably crosses the N OSME Region. Common mid-taiga Krasnoyarsk Republic to N of Region Rogacheva 1992.

Forecast Hypothetical Taxa – additional notes

- Conspicuous by their absence from the OSME Region are a whole range of migratory Nearctic breeding taxa that have occurred as vagrants in Europe. Also, many eastern Palearctic migrants have demonstrated 180° misorientation (Berthold 1999). A Great Circle course brings them through the Region, where there is a very low observer density. Other vagrant migrant types expected in the Region are western (especially Alaskan) Nearctic taxa, such as American Pipit (IOC = Buff-bellied Pipit) *Anthus (r.) rubescens*, which if amongst Palearctic *A. (r.) japonicus* in a flock would not only would be easy to overlook, but also might not even be searched for by the very few birdwatchers and ornithologists in the vastnesses of the OSME Region. Doubtless readers can think of other candidates, but it would not be unreasonable to predict a *Vireo* sp or *Dendroica* sp occurring in the OSME Region in future. In the north of the Region, we might reasonably expected misoriented North American forest specialist species, because quite a number have occurred as vagrants in Europe, having crossed the Atlantic, probably often driven by strong westerly winds. Furthermore, the appearance of Nearctic taxa in the OSME Region is more likely than might be at first thought, taking as an example the annual migration cycle of the Alaskan population of Northern Wheatear *Oenanthe oenanthe* – these birds migrate across Asia to winter south of the Sahara (Bairlein 2008) and on their return. In any case, analysis of the stable-isotope ratios of feathers of vagrants might indicate accurately the breeding and wintering areas – see Fox & Bearhop 2008.
- Radio-tagging Sociable Lapwing *Vanellus gregarius* from the eastern breeding grounds in E Kazakhstan has shown that this species uses the Wakhan and Khyber Passes to reach the Indian Subcontinent (Rob Sheldon RSPB 2008 presentation). Other species (some not yet in the ORL?) may migrate this way across Afghanistan.
- Improvements in seabird ID criteria will increase accuracy of Indian Ocean sightings (ORL boundaries: southern 10°S, eastern reaches 70°), but numbers of potential observers have greatly reduced (fewer RN ships, fewer RNBWS members, automation reducing merchant ship crews) and so annual totals of such pelagic records will be greatly reduced. **BirdLife International's Seabird Tracking and Marine IBA databases represent a step function improvement in seabird knowledge.**

Species removed from Hypothetical List

		Fregatidae	
A	Magnificent Frigatebird	<i>Fregata magnificens</i>	08/08 . Monotypic. Vagrant Israel WBDB 2008 checklist; error, now deleted. Mike Evans pers comm
		Strigidae	
B	Spot-bellied Eagle Owl (Spot-bellied Eagle-Owl) (Forest Eagle Owl)	<i>Bubo nipalensis</i>	11/08 . Map in König <i>et al</i> 1999 in error covering E Afghanistan, Uzbekistan and Tajikistan, although text disagrees. Maps in R&A 2005 & K&W 2008 correct, showing species as remote even from Pakistan in C Himalayas. 650km from Region.
		Campephagidae	
D	Short-billed Minivet	<i>Pericrocotus brevirostris</i>	05/08 . 4 ssp, 3 remote in China, nominate NE India nearest. Paludan 1959 lists as summer visitor E Afghanistan, ssp <i>brevirostris</i> , 6 being collected Nurestan 1948, but subsequently only Long-tailed Minivet <i>P. ethologus</i> shown to occupy western range; earlier ID confusion now apparent. Bates & Lowther 1952 also in error for Kashmir.
		Muscicapidae	
E	Rufous-breasted Bush Robin	<i>Tarsiger hyperythrus</i>	08/08 . Monotypic. 'Uncertain', WBDB 2008 Afghanistan checklist. However, likely originated in misquoted 'Afghanistan' on Sayer's website; the Steve Madge record actually is from Nepal (the westernmost range) - Steve Madge <i>in litt</i> to Mike Evans. NB <i>Tarsiger</i> may yet be subsumed in <i>Luscinia</i> .
F	Jerdon's Bushchat	<i>Saxicola jerdoni</i>	11/15 . Monotypic. On Avibase website Afghan list, unsourced: most unlikely, breeds NE India, Nepal & points E.
		Motacillidae	
G	Long-legged Pipit	<i>Anthus pallidiventris</i>	01/09 . Web entry, as having bred in Egypt. Assessed as error instead of Long-billed Pipit <i>A. similis</i> , whose 2 ssp inhabit western Africa.