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| WORLD METEOROLOGICAL ORGANIZATION  COMMISSION FOR BASIC SYSTEMS  -----------------------------  THIRD MEETING OF  INTER-PROGRAMME EXPERT TEAM ON CODES MAINTENANCE  MARRAKECH, MOROCCO, 15 - 19 APRIL 2019 |  | IPET-CM-III / Doc. 7.2(5)  05.04.2019  -------------------------  ITEM 7.2  ENGLISH ONLY |

MIGRATION TO TABLE-DRIVEN CODE FORMS

Status of the migration to TDCF in RA V

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**Summary and Purpose of Document**

The document describes the status of migration to Table-Driven Code Forms in RA V as of April 2019.

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**ACTION PROPOSED**

The meeting is requested to note the information.

**DISCUSSIONS**

**1 SYNOP, Upper Air, and CLIMAT data.**

The table below shows the current status of SYNOP, Upper Air and CLIMAT observations in BUFR format issued on the GTS from countries in RA-V.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Country** | **Synop. IS[M,I,N]** | **Upper Air IU[J,K,S,W] (Date last received)** | | **CLIMAT, ISC (Date Last received** | |
| Australia | 10 | 159 | Current | 11 | Current |
| Brunei | 0 | 0 |  | 0 |  |
| Cook Islands | 2 | 8 | All 25/12/2016 | 0 |  |
| FS Micronesia | 0 | 0 |  | 0 |  |
| Fiji | 2 | 8 | Current | 0 |  |
| French Polynesia | 3 | 16 | Current | 1 | Current |
| Indonesia | 8 | 10 | Current | 2 | 15/08/2018 |
| Kiribati | 0 | 0 |  | 0 |  |
| Malaysia | 2 | 0 |  | 0 |  |
| Nauru | 0 | 0 |  | 0 |  |
| New Caledonia | 9 | 4 | Current | 1 | Current |
| New Zealand | 7 | 5 | Current | 0 |  |
| Philippines | 3 | 4 | Current | 1 | Current |
| Samoa | 3 | 0 |  | 0 |  |
| Singapore | 2 | 3 | Current | 1 | Current |
| Solomon Islands | 0 | 0 |  | 0 |  |
| Tonga | 2 | 0 |  | 0 |  |
| Tuvalu | 0 | 1 | 30/12/2018 | 0 |  |
| Vanuatu | 2 | 0 | All 15/08/2015 | 0 |  |

The numbers in the column 2, 3 and 5 are the number of BUFR bulletins issued daily with the TTAAii given in the heading of the column. All of these SYNOP and upper air bulletins are, in fact, advertised in Vol C. As we can see from the table:

SYNOPS

* There are 6 countries yet to issue SYNOP in BUFR (number of bulletins [ISxxxx] is 0). All of them are presumably converted from TAC.

Upper Air

* There are 9 countries yet to issue upper air observation data in BUFR. Please note that we do not distinguish BUFR upper air data converted from TEMP/PILOT or directly from the instrument in this table. Some countries seem to have stopped producing upper air BUFR bulletins. For example, the last bulletin we received from Tuvalu was on 30/12/1018, and from the Cook Islands was on 25/12/2016. Vanuatu seems to have issued a set of bulletins once, possibly be as a trial, on 15/8/2015, and has never issued them since (therefore we put 0 in the table).
* The information from RTH Wellington indicates that the UKMO previously funded the consumables for the Cook Islands Upper Air programme, but this was withdrawn some time ago, which explains the cessation of bulletins from the Cook Islands.
* Australia upper air data are issued in high temporal resolution and from the source.

CLIMAT

* There are only 4 countries issuing CLIMAT bulletins in BUFR. Indonesia seems to have stopped since 15/08/2018.

**2 Marine data**

Table below shows the status of the bulletins for marine data issued in BUFR from RA-V. As we can see, most countries are yet to issue BUFR bulletins for marine data. Australia issues BATHY, TESAC, and WAVEOB bulletins in BUFR. Philippines and Singapore are issue SHIP report in BUFR.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Country** | **TRACKOB, IOR** | **BATHY, TESAC, IOS** | **WAVEOB, IOW** | **SHIP, ISS** |
| Australia | 0 | 2 | 1 | 0 |
| Brunei | 0 | 0 | 0 | 0 |
| Cook Islands | 0 | 0 | 0 | 0 |
| FS Micronesia | 0 | 0 | 0 | 0 |
| Fiji | 0 | 0 | 0 | 0 |
| French Polynesia | 0 | 0 | 0 | 0 |
| Indonesia | 0 | 0 | 0 | 0 |
| Kiribati | 0 | 0 | 0 | 0 |
| Malaysia | 0 | 0 | 0 | 0 |
| Nauru | 0 | 0 | 0 | 0 |
| New Caledonia | 0 | 0 | 0 | 0 |
| New Zealand | 0 | 0 | 0 | 0 |
| Philippines | 0 | 0 | 0 | 4 |
| Samoa | 0 | 0 | 0 | 0 |
| Singapore | 0 | 0 | 0 | 1 |
| Solomon Islands | 0 | 0 | 0 | 0 |
| Tonga | 0 | 0 | 0 | 0 |
| Tuvalu | 0 | 0 | 0 | 0 |
| Vanuatu | 0 | 0 | 0 | 0 |

**3 Remarks**

GISC Melbourne will continue to monitor the status of TDCF migration in RA-V and liaise with the countries to identify issues in relation to the migration, including the BUFR upper air issues of missing data and wrongly coded data, as are being raised in the GISC ticketing system.