VALIDATION REPORT

**BUFR template for surface observations from n-minute period**

IPET-CM-I / Doc. 2.4 (4)

IPET-CM-II / Doc. 2.4 (x)

**1. Responsible Organizations**

Leading organization (if any): EUMETNET and DWD

Participating organization(s): ECMWF

**2. Requirements and Purposes**

EUMETNET Members had agreed to work towards an international exchange of surface sub-hourly AWS data in future and a Task Team was set up in 2016 to draft a new BUFR template for sub-hourly AWS data reporting on the basis of the draft template 307092. The Task Team met in online conference meetings on 17th October 2016 as well as on 9th November 2017 and agreed on a new draft BUFR template for reporting sub-hourly AWS data which was circulated among EUMETNET Members and several IPET-CM Members via email on 26th January 2018. 12 replies containing either approvals of the template but also comments and questions were received. Change requests have been added to the template afterwards. The final draft version of the BUFR template was presented to EUMETNET governing body STAC (Scientific and Technical Advisory Committee). STAC approved the draft template in its conclusion STAC16.06 and agreed to the proposed way forward to propose the template to IPET-CM (next meeting end of May 2018) for consideration, validation and official WMO approval – via fast-track procedure if applicable (see copy of the conclusion below).

**4.5. Sub-hourly AWS data BUFR template**

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| **CONCLUSION STAC16.06:** Sub-hourly AWS data BUFR template |
| STAC approved the proposed sub-hourly AWS data reporting template as well as the way forward with regard to WMO. |

**3. Description of Proposal**

See attachment EMN-STAC16\_Doc06\_Sub\_hourly\_AWS\_BUFR\_template\_Item\_4.5  
 Annex to EMN-STAC16\_Doc06:  
 TM 3 07 092 - BUFR template for AWS surface observations from n-minute period



**4. Declaration of Validation Complete**

Proposal has been Validated.

Participating organizations: ECMWF – DWD

Proof documents:  BUFR ISGD01\_EDZW\_120620.. generated   
 with DWD software and   
 Outputs from DWD software and ECMWF’s eccode.

**5. Proposed Implementation Date and Procedure**

Implementation date: November 2018

Applicable procedure: Fast-track

**6. Deviation from initial proposal**

Major changes

1) See Annex I to EMN-STAC16 Doc06: Sub-hourly AWS BUFR template, 2. Descriptors removed from the original template, to be introduced in OSCAR/Surface  
3. Descriptors removed from the original template, identified not to be suitable for AWS data reporting  
4. Reasons for particular additions or amendments