

Low Latency Data Access status report + status of implementation of best practices

Presented to CGMS-53 WG-I session, agenda item 2.3

Executive summary of the WP

This paper presents status of operational direct broadcast systems and implementation of the CGMS Agency Best Practices at EUMETSAT in support to Local and Regional Processing of LEO Direct Broadcast data (CGMS/DOC/18/1008274) for each of the METOP and EPS-SG LEO satellite missions. This paper also introduces available direct broadcast information about the EPS Sterna constellation, for which approval of the programme is targeted in mid-2025. The EPS-Sterna information present in this document may evolve depending on the development of the programme.

The main changes since the last report are:

- HIRS instrument turned off on Metop-B, although it was not providing any valid instrument data, it was still active. It was turned off on 25th January 2025.
- The physical document TD-18 was removed and the content is now only available online from the user portal.

CURRENT SATELLITE SYSTEMS

Instruments	METOP-B	METOP-C
AMSU-A	Operational	Operational
ASCAT	Operational	Operational
AVHRR	Operational	Operational
GOME	Operational	Operational
GRAS	Operational	Operational
HIRS	OFF	N/A
IASI	Operational	Operational
MHS	Operational	Operational

BEST PRACTICE STATUS

[CGMS/DOC/18/1008274](#)

- The following slides provide an overview of the best practices and highlight where we are not fully compliant
- This is stated for the actual Metop compliance and the expected compliance of EPS-SG and EPS-Sterna
- Full details available in the document that this presentation supports CGMS-53-EUMETSAT-WP-01

BEST PRACTICE

C = Compliant*

1. BP.01 Global Specification for Direct Broadcast **C**
2. BP.02 Timely provision of Space-to-Ground Interface Control Documents **C**
3. BP.03 Provision of Current Orbit Information **C**
4. BP.04 Provision and maintenance of Product Processing software packages **C**
5. BP.05 Provision of auxiliary data for instrument product processing **C**
6. BP.06 Recommendations of channel selection for hyperspectral instruments **C**
7. BP.07 Spacecraft and Instrument Operational Status **C**
8. BP.08 Operational Announcements **C**
9. BP.09 Satellite Direct Broadcast and Reception Station Performance Requirements **C**

* For Sterna, **C** is indicated if not yet determined, or if not applicable

BEST PRACTICE

10. BP.10 Operators of satellites with DB should routinely monitor the quality of the DB downlink and address any anomalies in accordance with each organisation's established procedures, and notify users of degraded performance. Monitoring should include:

PC Partially compliant:

Monitoring is performed manually in cases where anomalies are identified. Otherwise compliant for BP 10.

To be considered by CGMS:

- WG-I members are invited to take note and comment on the status of operational direct broadcast systems and implementation of the CGMS Best Practices at EUMETSAT in support to local and regional processing of LEO direct broadcast data.