



CGMS-37 EUM-WP-02
v1, 5 October 2009
Prepared by EUMETSAT
Agenda Item: A.5
Discussed in Plenary

EUMETSAT INPUT TO SATELLITE TABLES
In response to CGMS permanent action 01

This Working Paper contains the EUMETSAT input to the CGMS coordinated satellite tables to be made available in the final CGMS-37 report.

Action/Recommendation proposed: None

EUMETSAT input to satellite tables

Table 1: Current Polar-Orbiting Satellites Coordinated within CGMS

Orbit type (equatorial crossing times)	Satellites in orbit (+operation mode) P=Pre-operational Op=operational B=back-up L=limited availability R= R&D	Operator	Equatorial Crossing Time A=Ascend (northward) D=Descend (southward) +Altitude	Launch date	Status
Sun-synchronous local "morning" orbit (07:00–12:00) (19:00–24:00)	Metop-A (Op)	EUMETSAT	21:30 (A) 837 km	19 Oct 2006	Operational. HRPT and LRPT not functional. EUMETCast ADM
Non-sun synchronous orbit	OSTM/Jason-2 (Ocean Surface Topography Mission)	CNES EUMETSAT NASA NOAA	(66° inclin.) 1336 km	20/06/2008	Follow-on of Jason-1. Sea surface topography measurement. Global ocean circulation for climate prediction.

Table 2: Current Geostationary Satellites Coordinated within CGMS

Sector	Satellites currently in orbit (+type) P: Pre-operational Op: Operational B: Back-up L: Limited availability	Operator	Location	Launch date	Status
East-Atlantic (36°W-36°E)	Meteosat-8 (B)	EUMETSAT	9.5°E	28 Aug 2002	No LRIT. Back-up to Meteosat-9. Rapid scanning service (RSS). EUMETCast ADM.
	Meteosat-9 (Op)	EUMETSAT	0°W	21 Dec 2005	Primary s/c. Fully operational. EUMETCast ADM. (RSS following MSG-3 commissioning. TBC)
Indian Ocean (36°E-108°E)	Meteosat-6 (B)	EUMETSAT	67.5°E	11/1993	Functional. Back-up to Meteosat-7. DCP mission support. EUMETCast ADM.
	Meteosat-7 (Op)	EUMETSAT	57.5°E	02/1997	Functional. IODC coverage committed till end 2013. EUMETCast ADM.

Table 4: Future Polar-Orbiting Satellites Coordinated within CGMS

Orbit type (equatorial crossing times)	Future additional Satellites	Operator	Crossing Time A=Ascend. (northward) D=Descend. (southward) +Altitude	Planned launch date	Other information
Sun-synchronous local "morning" orbit (07:00 – 12:00) (19:00 – 24:00)	Metop-B (Metop-1)	EUMETSAT	21:30 (A) 837 km	2012	HRPT, LRPT. EUMETCast ADM.
	Metop-C (Metop-3)	EUMETSAT	21:30 (A) 837 km	2016	HRPT, LRPT. EUMETCast ADM.
	Post-EPS	EUMETSAT		2019	
Non-sun synchronous orbit	Jason-3	EUMETSAT NOAA		2013	OST

Table 5: Future Geostationary Satellites Coordinated within CGMS

Sector	Future additional satellites	Operator	Planned launch	(Planned location) Other remarks
East-Pacific (180°W-108°W) and West-Atlantic (108°W-36°W)	MSG-3	EUMETSAT	2012	0°. LRIT, EUMETCast ADM. (RSS following MSG-4 commissioning – TBC).
	MSG-4	EUMETSAT	2014	0°. LRIT, EUMETCast ADM. (RSS following MTG-1 commissioning – TBC).
	MTG I1	EUMETSAT	2016	Meteosat Third Generation 1 st imaging satellite
	MTG S1	EUMETSAT	2018	Meteosat Third Generation 1 st sounding satellite
	MTG I2	EUMETSAT	2021	Meteosat Third Generation 2 nd imaging satellite
	MTG I3	EUMETSAT	2025	Meteosat Third Generation 3 rd imaging satellite
	MTG S4	EUMETSAT	2026	S2 Meteosat Third Generation
	MTG I4	EUMETSAT	2029	Meteosat Third Generation 4 th imaging satellite