EUMETSAT INPUT TO SATELLITE TABLES
In response to CGMS action PA01/02/09

This Working Paper is complementary to EUM-WP-01 and provides the EUMETSAT input to the satellite tables as follows:

- Tables 1, 2, 4, 5 and 7 of the CGMS meeting report (CGMS permanent action 1)

- LRIT and HRPT conversion tables for WMO (CGMS permanent action 2)

- Transition of broadcast services of satellites in polar and geo orbits for WMO (CGMS permanent action 9)

Status as per 29 October 2007.

EUMETSAT input to satellite tables

1   INTRODUCTION

This WP describes the current status of EUMETSAT's current and future satellites, in geo and leo orbits. They correspond to tables 1, 2, 4, 5 and 7 of the plenary report and respond to Permanent actions 01/02/and 09.

2   SATELLITE TABLES

The table can be found at the end of the papert.

3   CONCLUSIONS

The status of EUMETSAT's satellites will be incorporated in the plenary report of CGMS-35.

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	Crossing Time A=Ascend. (northward) D=Descend (southward) +Altitude	Launch date	Stop	Frequency (MHz) Service: - GDS - HRPT - LRPT	Band-width (MHz) Service: - GDS - HRPT - LRPT	Data rate (Mb/s) Service: - GDS - HRPT - LRPT	Status ADM Service
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	2011	7800 1701.3/1707.0* 137.1/137.9125*	63 4.5 .150	.072 3.5 70	Operational. HRPT and LRPT not functional. EUMETCast ADM.

* EUMETSAT/Metop back-up frequency

Table 4: Future Polar-Orbiting Satellites Coordinated within CGMS

Orbit type (equatorial crossing times)	Future satellites	Operator	Crossing Time A=Ascend. (northward) D=Descend (southward) +Altitude	Launch date	Stop	Frequency (MHz) Service: - GDS - HRPT - LRPT	Band-width (MHz) Service: - GDS - HRPT - LRPT	Data rate (Mb/s) Service: - GDS - HRPT - LRPT	Status ADM Service
Sun-synchronous local "morning" orbit (07:00–12:00) (19:00–24:00)	MetOp-1	EUMETSAT	21:30 (A) 837 km	Apr 2011	2016	7800 1701.3/1707.0* 137.1/137.9125*	63 4.5 .150	70 3.5 .072	HRPT and LRPT. EUMETCast ADM.
	MetOp-3	EUMETSAT	21:30 (A) 837 km	Oct 2015	2020	7800 1701.3/1707.0* 137.1/137.9125*	63 4.5 .150	70 3.5 .072	HRPT and LRPT. EUMETCast ADM.

* EUMETSAT/Metop back-up frequency

CGMS

Table 2: Current Geostationary Satellites Coordinated within CGMS

Sector	Satellites currently in orbit (and type) P: Pre-operational Op: Operational B: Back-up L: Limited availability	Operator	Location	Launch date	Stop	Status ADM Service
East-Atlantic (36°W-36°E)	Meteosat-8 (B)	EUMETSAT	3.4°W	28 Aug 2002	2010	No LRIT. Back-up to Meteosat-9. Rapid scanning service. EUMETCast ADM.
	Meteosat-9 (Op)	EUMETSAT	0°W	21 Dec 2005	2016	Primary spacecraft. Fully operational. EUMETCast ADM.
Indian Ocean (36°E-108°E)	Meteosat-6 (B)	EUMETSAT	67.5°E	Nov 1993	2010	Functional. Back-up to Meteosat-7. DCP mission support. WEFAX. EUMETCast ADM.
	Meteosat-7 (Op)	EUMETSAT	57.5°E	Feb 1997	2010	Functional. IODC coverage committed till 2010. WEFAX. EUMETCast ADM.

Table 5: Future Geostationary Satellites Coordinated within CGMS

Sector	Future satellites	Operator	Planned location	Planned launch	Planned stop	Other remarks (service, ADM..)
East-Pacific (180˚W-108˚W)/ West-Atlantic (108˚W-36˚W)	MSG-3	EUMETSAT	0°	2011	2018	LRIT EUMETCast ADM
	MSG-4	EUMETSAT	0°	2013	2018	LRIT EUMETCast ADM