

Future Plan for the FY-2 Series

Summary and purpose of paper

To inform CGMS that China will continue FY-2 program with FY-2D to be launched in December 2006, which is followed by FY-2E/F/G satellites that have been approved by the government. The launch schedule of future FY-2s will ensure the continuity of GEO observation at 105E till the year 2015.

Future Plan for the FY-2 Series

FY-2 Program will continue with new satellites FY-2D/E/F/G that have been approved by the government. It is envisaged that these FY-2s will operate till 2015. The mission and function of FY-2D/E is similar to FY-2C. Some improvement is foreseen with FY-2F/G, for instance, to obtain 48 imagery per day (28 full discs imagery and 20 northern hemisphere imagery) all year round.

The launch schedule for FY-2D/E/F/G is planned to keep the continuity of operation between two subsequent satellites.

Launch schedule:

Satellites	FY-2D	FY-2E	FY-2F	FY-2G
Year	2006	2009	2011	2013

For satellite and transmission characteristics of the FY-2s, please make reference to relevant report: CGMSXXXIV-CMA-WP-04.

Annex: CMA Update for Table 5:

Table 5: Future Geostationary Satellites Coordinated Within CGMS
(as of 01 October 2006)

Sector	Future additional satellites	Operator	Planned launch	(Planned location) Other remarks
EAST PACIFIC (180°W-108°W) AND WEST ATLANTIC (108°W-36°W)	GOES-N	USA/NOAA	12/2004	135°W or 75°W
	GOES-O	USA/NOAA	12/2005	135 W or 75°W
	GOES-P	USA/NOAA	2008	135°W or 75°W
	GOES-R	USA/NOAA	2012	135°W or 75°W
	MSG-2	EUMETSAT	02/2005	0°
	MSG-3	EUMETSAT	01/2009	0°
	MSG-4	EUMETSAT	2010/2011	0°
INDIAN OCEAN (36°E-108°E)	GOMS-N2	Russia	2006	76°E
	INSAT-3D	India	2006	Location TBD. Dedicated meteorological mission. Improved 6 channel imager and a 19 channel sounder.
	<u>FY-2D</u>	<u>China/CMA</u>	<u>12/2006</u>	<u>5 channel VISSR, LRIT</u>
	<u>FY-2E</u>	<u>China/CMA</u>	<u>2009</u>	<u>5 channel VISSR, LRIT</u>
	<u>FY-2F</u>	<u>China/CMA</u>	<u>2011</u>	<u>5 channel VISSR, LRIT</u>
	<u>FY-2G</u>	<u>China/CMA</u>	<u>2013</u>	<u>5 channel VISSR, LRIT</u>
WEST PACIFIC (108°E- 180°E)	MTSAT-1R	Japan	02/2004	Multifunctional Transport Satellite 140°E

	MTSAT-2	Japan	2005 (FY)	Multifunctional Transport Satellite 140°E. It will be acting as back-up to MTSAT-1R until 2009. MTSAT-1R will be used as back-up.
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