

Future Geostationary Meteorological Satellite Systems

**FUTURE GEOSTATIONARY METEOROLOGICAL SATELLITE GOMS/Electro N2**

Summary and purpose of the WP

New GOMS/Electro N2 spacecraft will be developed to meet requirements of up to date technologies.

New 12-channels scanning radiometer-imager is considered for deployment on board the satellite.

The satellite sketch designing will be completed in 2001 and development of technical documents is to be commenced. GOMS/Electro N2 launch to geostationary orbit at 76<sup>0</sup> E is planned to 2005.

Action proposed: no action required.

## **FUTURE GEOSTATIONARY METEOROLOGICAL SATELLITE GOMS/Electro N2**

In 2001 Rosaviakosmos together with Roshydromet and other Russian State departments committed a tender on development of future GOMS/Electro geostationary meteorological satellite that will meet requirements of up to date technologies. As a result of the tender the satellite manufacturer has been selected.

GOMS/Electro N2 satellite being relied on 3-axis stabilized platform will be designed to allow operational observation of cloudiness and Earth surface, conducting heliogeophysical measurements and maintaining Russian Data Collection System. Besides standard meteorological communication package (the DCS and the retransmitters) the key payload will consist of imager MSU-G. This scanning radiometer-imager should have 12 channels in VIS and IR similar to MSG SEVIRT. The spatial resolution in subsatellite point will be about 1 km (VIS) and 4 km (IR). Currently the details of this instrument design and construction are under consideration.

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