



CGMS-40 ROSH/ROSC-
WP-05
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Prepared by
ROSHYDROMET/
ROSCOSMOS
Agenda Item: I.2
Discussed in Plenary

ROSHYDROMET/ROSCOSMOS REVIEW OF ACTION ITEMS

No actions required

ROSHYDROMET/ROSCOSMOS REVIEW OF CGMS-39 ACTION ITEMS

Permanent action 01: All CGMS members to inform the Secretariat of any change in the status or plans of their satellite to allow the updating of the CGMS Tables.

Response: Working paper with information about the status and plans of Russian polar-orbiting and geostationary satellites will be presented at CGMS-40.

Permanent action 02: CGMS members to report to CGHMS plenary on their activities and plans related to space weather, including: (i) impact of solar events and space radiation on satellites, protective measures, (ii) space weather observations, and (iii) space weather warning services.

Response: Current and future Meteor-M and Electro-L series satellites are equipped with GGAK instrument suite, providing data on space weather.

Action 39.04: IMD and Roshydromet to present papers at CGMS-40 on progress towards implementing GEO to LEO corrections and instrument bias monitoring as established by NOAA, EUMETSAT, KMA, JMA and CMA.

Response: Roshydromet has developed methodology for GEO to GEO corrections (MSU-GS/Electro-L to SEVIRI/Meteosat-9 data) and is about to report on progress at GSICS-EP site meeting. GEO to LEO correction methodology is now under development.

Action 39.29: All AMV providers to make efforts to have the quality of their products tested by NWP centers. The slicing into specific AMV products (e.g. from WV or IR channels) and segregation into vertical levels is advised.

Response: AMV product is currently being produced from SEVIRI/Meteosat-9 (IR data). AMV quality assessment and assimilation is now being performed by the Roshydromet Weather Prediction service (Hydrometcenter of Russia).

Recommendation 39.04: CGMS Satellite operators are asked to ensure the earliest possible deployment of next generation geostationary platform with enhanced multispectral VIS-IR capabilities.

Response: Next generation geostationary satellite Electro-M will carry an enhanced scanner MSU-GSM (multichannel scanning unit – geostationary, 17 channels in VIS and IR), as well as infrared Fourier transform spectrometer IRFS-GS with spectral resolution about 0.625 cm^{-1} .

Recommendation 39.20: CGMS agencies are encouraged to follow NASA's example of comprehensive and sustaining science support for satellite missions, including comprehensive validation campaigns.

Response: Roscosmos and Roshydromet are now preparing a long-term science program for Electro-L and Meteor-M satellite data and products calibration/validation.