

# MTG Programme Status



**LI MAG**

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# MTG Overall Status

- Satellite Critical Path
  - MTG-I
    - FCI problems being well resolved
    - Stray light resolution could still push the launch to end 2022
    - Impact of Covid-19 crisis: 2-month slippage of AIT observed, slow restart
  - MTG-S
    - CDR planned from July to November 2020
    - MTG-S1 launch planned for September 2023 – TBC, short separation from –I1
    - Lower impact of Covid-19
- LEOP services
  - LEOP Ground Segment Preliminary Acceptance Review kicked off on 5 May

# MTG Status Report – MTG-I Instruments

- FCI
  - Earth Stray Light investigation ongoing and showing good results
- LI (subject of this MAG)
  - Instrument CDR closed after completion of work of all Task Forces

# MTG Status Report – MTG-S Instruments

- IRS
  - All subsystem CDRs and instrument CDR closed
  - Testing of Core Spectrometer EM completed, demonstrated production of interferogrammes
  - Technical issues being resolved as we progress
- S4/UVN
  - Delivery of PFM planned in September 2021

# MTG Status Report – System & Ground Segment

MTG-I System CDR and Ground Segment CDR part#2 closed in December

## MTG-I Ground Segment

- Ground stations in maintenance, used for IV&V, MDAF capacity increase project kicked off
- Mission Operations Facility
  - Version V0.4 accepted in April, available for SVT-I1-v2 test with MTG-I1
  - Version V1.0 needed for SVT-I1-v3 test and launch expected end of 2020
- IDPF-I
  - V2.1 with first version of FCI processing and LI background image processor used in IV&V,
  - Version V3 (Upfront) slipped from July to September due to COVID-19 impacts
  - Introduction of intermediate Version V4 needed for IV&V, under negotiation
- L2PF V2.2 used for system IV&V
- MME upgrades on track (Dissemination, Archive & Retrieval, M&C tools, Infrastructure)

## ▪ MTG-S processing facilities

- IDPF-S Critical Design Review (CDR) delayed to end-2020
- L2PF upgrade for MTG-S started in December, Delta-CDR in Q3 2020

# MTG Status Report – System and Ops Prep

## System

- System IV&V
  - IV&V of MTG-I system version V0.7 slowed down by Covid-19, will conclude in Q3
  - Tests already run with MOF V0.4, IDPF-I V2.1, L2PF V2.2, MMEs, all stations:
    - Control chain connectivity, ranging and swap of TT&C stations
    - Space to ground compatibility and interfaces
    - FCI L0 and L1 Processing chains (dry run)
  - Integration and Verification of version V1.0 (launch capable) in Q4/2020-Q1/2021
- Operations Preparation
  - Preparations for SVT-I1-v2 test with the hybrid-PFM: test now expected end 2020

# System Management

- Earth Stray Light treated as a system activity – acceptability of instrument performance, as well as implications on the ground segment
- Analysis of Requests for Deviation is a key ongoing task
- Redefinition of the system versions to achieve a solid integration version, launch ready version and to allow commissioning
- Differences between system versions with respect to LI processing may include integration done first with background images and then build up to events at L1 and then L2