

# MTG-1 Commissioning

LI MAG

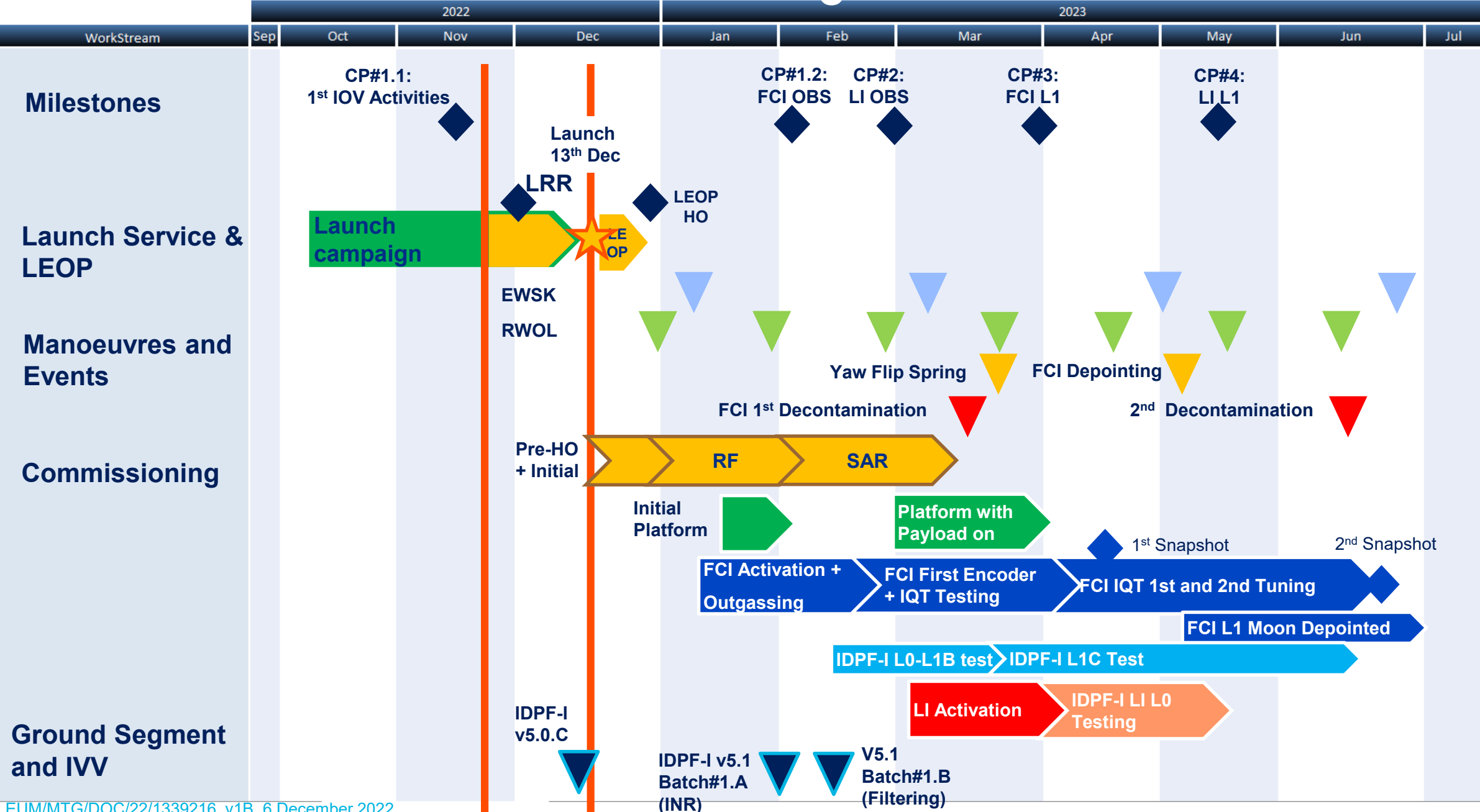




1. General MTG-I1 commissioning timeline
2. Commissioning checkpoints
3. LI next steps



# 1. General MTG-I1 Commissioning Timeline





# 2. Commissioning checkpoints

**Final readiness for MTG-I1 commissioning activities is assessed in an incremental approach through a series of commissioning checkpoints, to be seen as readiness reviews for the upcoming activities:**

|                               | Check Point #1.1  | Check Point #1.2  | Check Point#2   | Check Point#3  |
|-------------------------------|---|---|---|--|
| <b>High Level Description</b> | <p><b>All In-Orbit Safety procedures: satellite baby sitting</b></p> <p><b>All procedures / timelines for:</b></p> <ul style="list-style-type: none"> <li>- FCI first activation (up to start of outgassing)</li> <li>- Procedures for Platform Commissioning <ul style="list-style-type: none"> <li>o Radio Frequency</li> <li>o TC Authentication</li> <li>o Backup Satellite Control Centre</li> <li>o Platform subsystem</li> </ul> </li> </ul> | <p><b>All procedures / timelines for:</b></p> <ul style="list-style-type: none"> <li>- FCI in OBSERVATION plus FCI activities in commissioning timeline</li> <li>- First FCI L0 data flow in the System</li> <li>- First FCI Image</li> </ul> | <p><b>All procedures / timelines for:</b></p> <ul style="list-style-type: none"> <li>- LI in OBSERVATION plus LI activities in commissioning timeline</li> <li>- First LI L0 data flow in the System</li> </ul> | <p><b>FCI In Orbit Verification and system commissioning readiness</b></p> |
| <b>Dates</b>                  | <b>Successful on 17/11/2022</b>   | <b>Planned CW#5-2023</b>  | <b>Planned end of February 2023</b>   | <b>Planned end of March 2023</b>   |



- Details of LI start of commissioning are under finalisation. Discussions are ongoing to:
  - solve last discrepancies on LI operations procedures
  - perform LI switch-on early, so that LI is warmer, before start of FCI outgassing.
- Target 'switch-on to WAIT mode' date: around mid-January 2023. NB: Precise date will depend on the thermal environment actually experienced once in-flight.
- First LI data and start of LI functional commissioning: March 2023
- Once the final LI timeline is available from ESA, EUM will merge it in the overall Commissioning timeline, interleaving the LI System activities