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**Metis INSTRUMENT
for the
Solar Orbiter Mission**

**Test Report
PFM SVT1a Assessment Report**

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1 Introduction

1.1 Scope of the document

This document prepared by the Metis team presents the analysis of TM data produced during the System Verification Test 1-a (SVT-1a) of the Metis PFM model integrated on the S/C and conducted by the MOC at ESOC the 2nd of May 2019. The Metis SVT-1 test flow is described in [RD-1] and it is very similar to the I-FFT.

Primary goal of the SVT-1a is the complete validation of the Metis TM/TC services as defined in the IDB.

Checks that were correctly verified during the test session are not re-verified here. In contrast, our analysis is performed to complete MOC test by investigating:

- Errors and warnings reported as TM event packets,
- Checks marked as NOK during Metis PFM SFT formal run.
- The scientific telemetry generated by the instrument during the test
- The verification of the bit-patterns for the TC's not delivered during the test.

For more information on the activities carried out during the test, refer to the following documents: [RD-1] [RD-5] [RD-6].