

# IST SEM systems PS YETS 2021-2022

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## Description of the tests:

- Test of the movement where applicable
- connectivity tests in situ where needed
- Use of LabView app and/or FESA to inj test signals and check acquisition
- When possible, injection of a test signal with LabView app inside vacuum and on amplifiers

Few details on next slides, especially about open issues

More Details (for all SEMs in PS  
complex): [EDMS 2694859 v.1](#)

# PS Inj - SEMs

- PI.BSGF42: 42\_2 (2d amplifier) ch15 very weak

- PI.BSGF48, 52, 54: (TxT)

- Ana Guerrero and Jean Tassan-Viol found that when the FESA setting “integration time” is set to maximum, the acquisition is realised only every second trigger, not all of them.
- If this setting is set just a bit below the max, everything is fine.
- There is the need to send 2-3 times the command in order the grid moves. Ana had a look and found that the FESA layer doesn't send systematically the command to PLC layer. Correction to be tested during hardware commissioning.

Ready for operation, need to double check:

- SEM – RAL interlock (?)
- SEM 48-52-54 in-out



# TT2 BSGs

Ready for operation, few channels faulty

- F16.BSGF257 H: Pressure leak in IN position, Christophe Vuitton made an adjustment on 21<sup>st</sup> January, should be fine.
- F16.BSGF267 H: small pressure leak in OUT position, Christophe Vuitton made an adjustment on 21<sup>st</sup> January, should be fine.
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- F16.BSG268 HV: ch26 no signal
- F16.BSG277 HV: ch15 weak signal