

Installation Instructions: Dedicated real-time raw data export disk installation for VD11/VD13/VE11 MARS2

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Parts required (est. prices as of November 2016):

- One large 2.5" SAS HDD or SDD. Any *enterprise grade* drive with $\geq 1\text{TB}$ capacity should be suitable. Examples:
 - 1 TB: Seagate Constellation.2 ST91000640SS (\$190)
 - 1 TB: Seagate Enterprise Capacity 2.5 HDD 1TB SAS (ST1000NX0453) (\$195)
 - 2 TB: Seagate Enterprise Capacity 2.5 HDD 2TB SAS (ST2000NX0433) (\$340)
- 4x M3x4mm flat head undercut or flat head 120° screws (e.g. MetricScrews.us #10382)

Tools required:

- Screwdriver (Phillips #1)

Installation procedure:

Discuss this with your local service engineer. If a MaRS-related failure occurs, the raw data drive must be removed before the MaRS is returned to Siemens for repair, or it will be lost.



- Locate the Advanced Control Cabinet (ACC) in the equipment room.
- Open the door on the right.



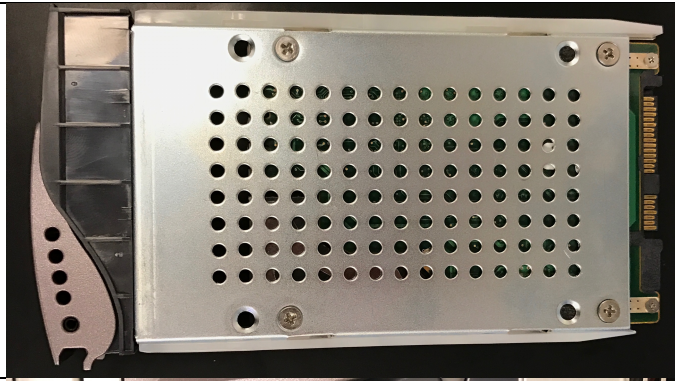
- Locate the Measurement and Reconstruction System (MaRS) inside the ACC.



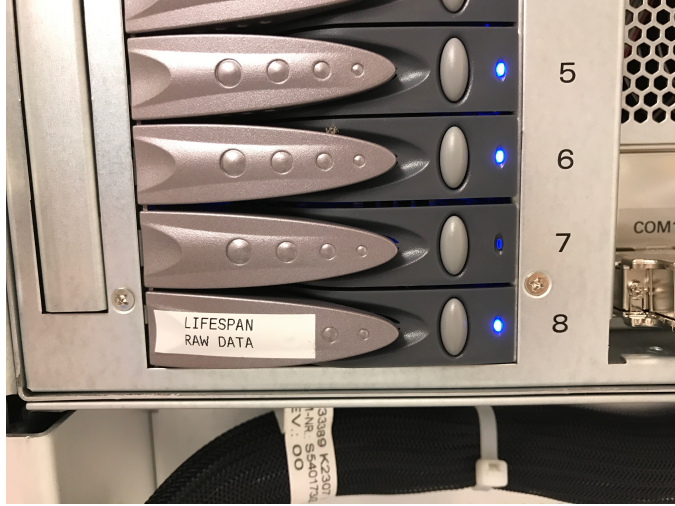
- Locate drive cage on the left side of the MaRS. Depending on the MaRS model, 3-7 HDDs may be present (indicated by blue lights).
- *If a HDD is already installed in location #8, or if the MaRS looks significantly different from this photo, STOP.*



- Remove the empty drive carrier from location #8 by pressing the button and pulling the latch handle.



- Install the new raw data disk in the drive carrier and secure with 4 screws as shown.
- NOTE: If the screw heads protrude from the carrier, it will not fit in the drive cage. Standard flat head screws will not fit: the recommended undercut or 120° head screws must be used.



- Insert the raw data drive in the MaRS and close the latch. Within moments the blue light should flash and then remain on steady.
- Affix an appropriate label as a reminder in case the MaRS needs to be replaced.
- Install software patches on the host.