

# Update MBHA-001 2020-03-11

#### **TE-MSC-TF**

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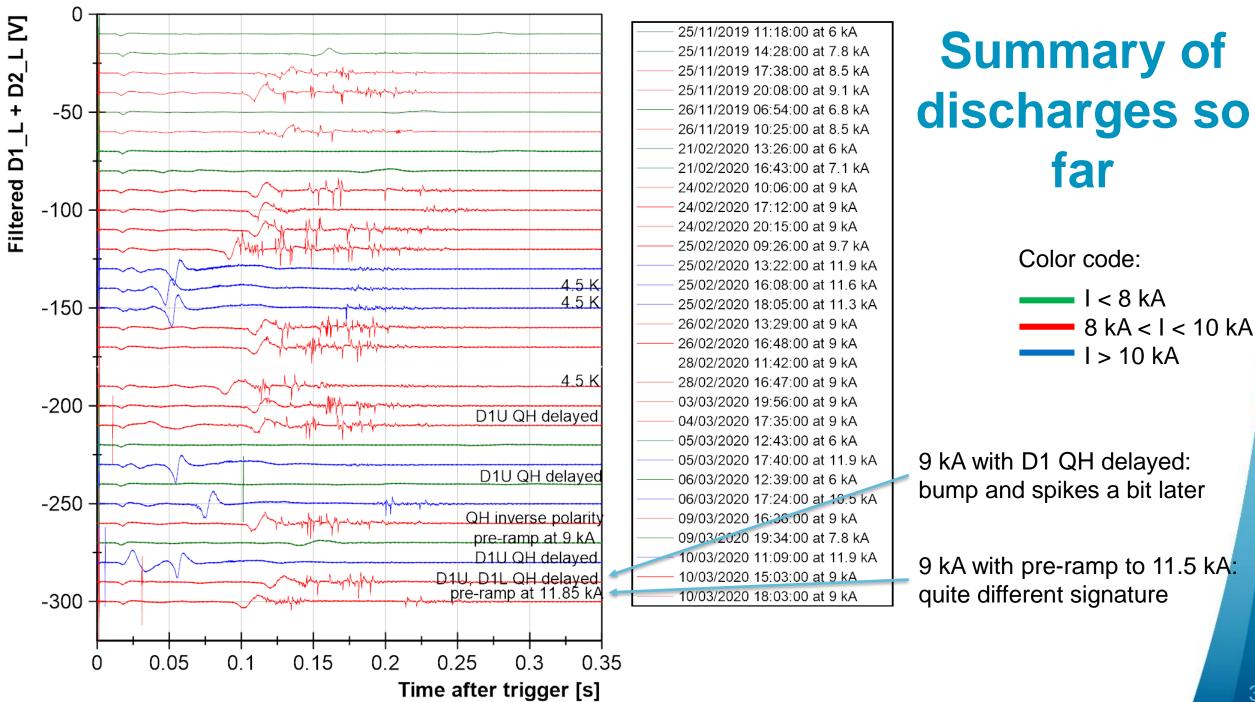
Acknowledgements to all involved.

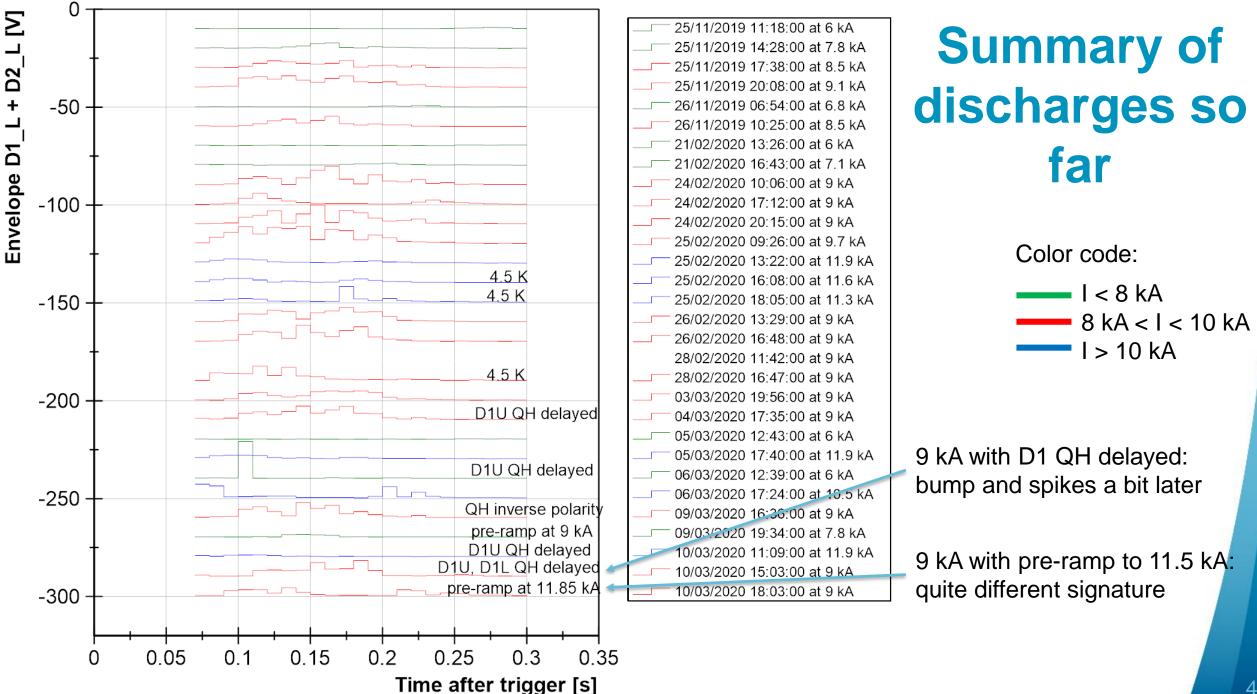
# **Tests since last meeting**

Done:

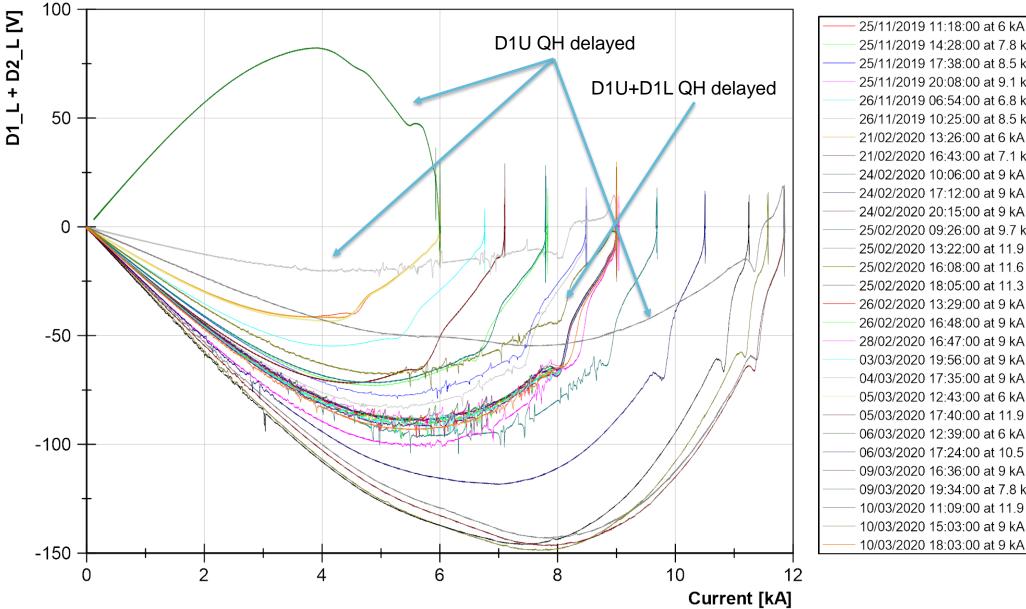
- Discharge at 11.85 kA, D1U QH delayed 5 ms
- Discharge at 9 kA, D1 QH delayed 30 ms
- Pre-ramp to 11.85 kA, discharge at 9 kA
- To be done during the meeting:
- Discharge at 9 kA, D2 QH delayed 30 ms

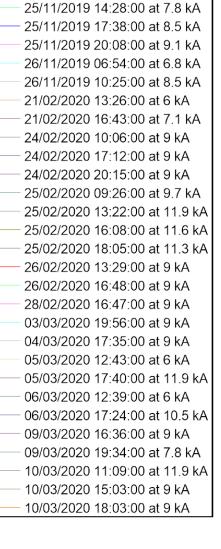


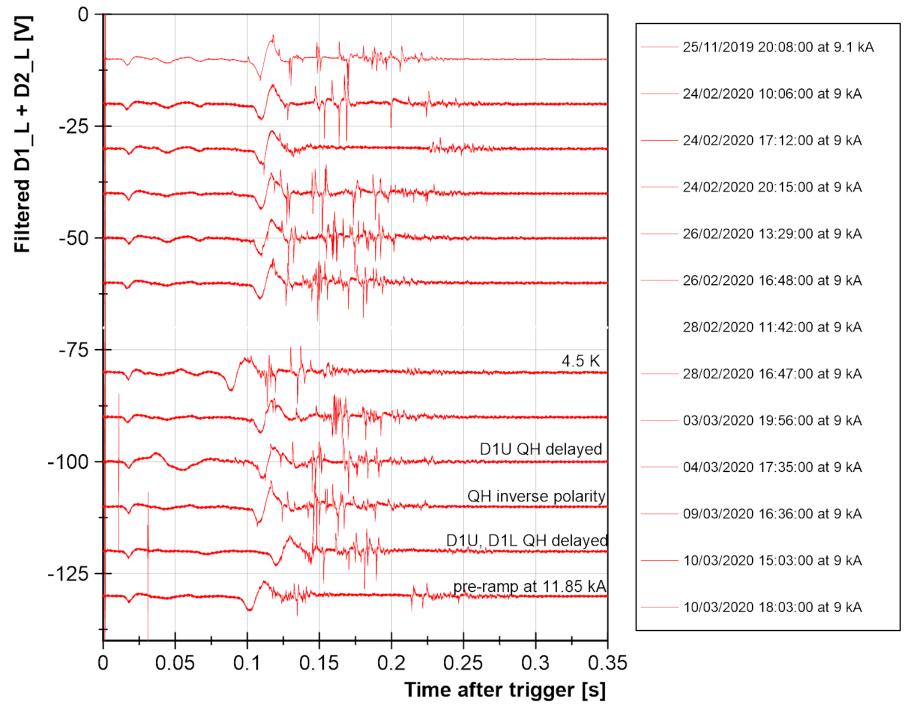




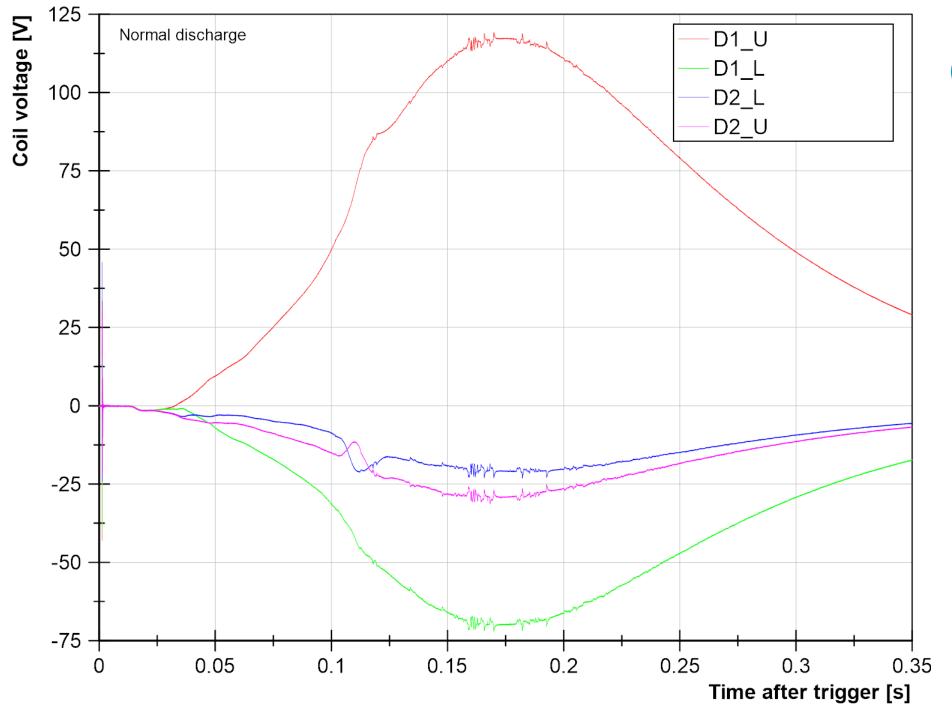
### Suspected short voltage vs current



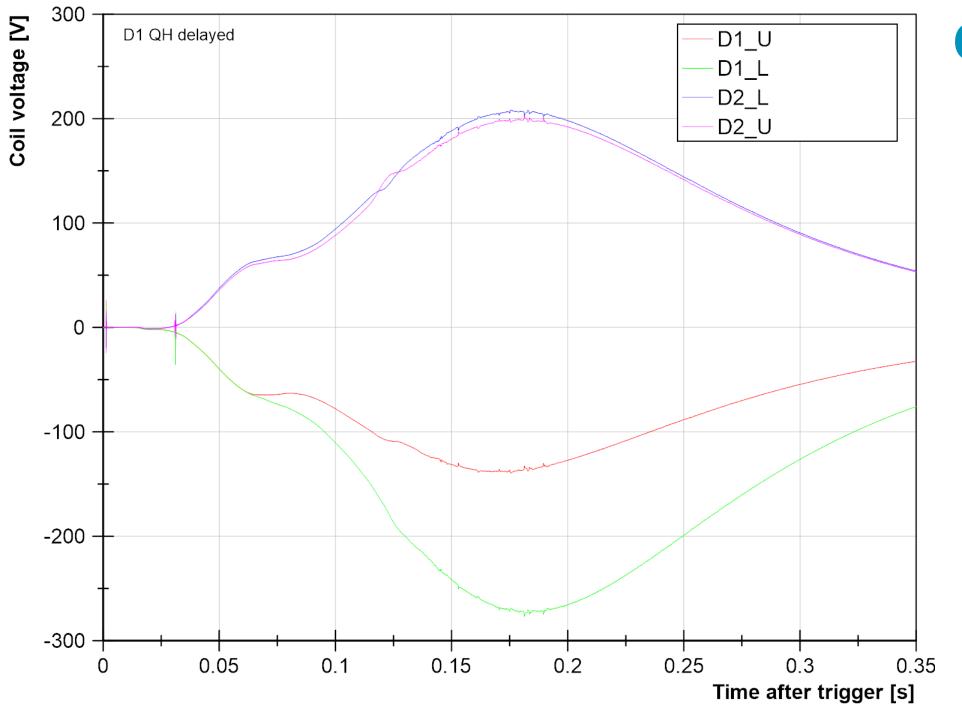




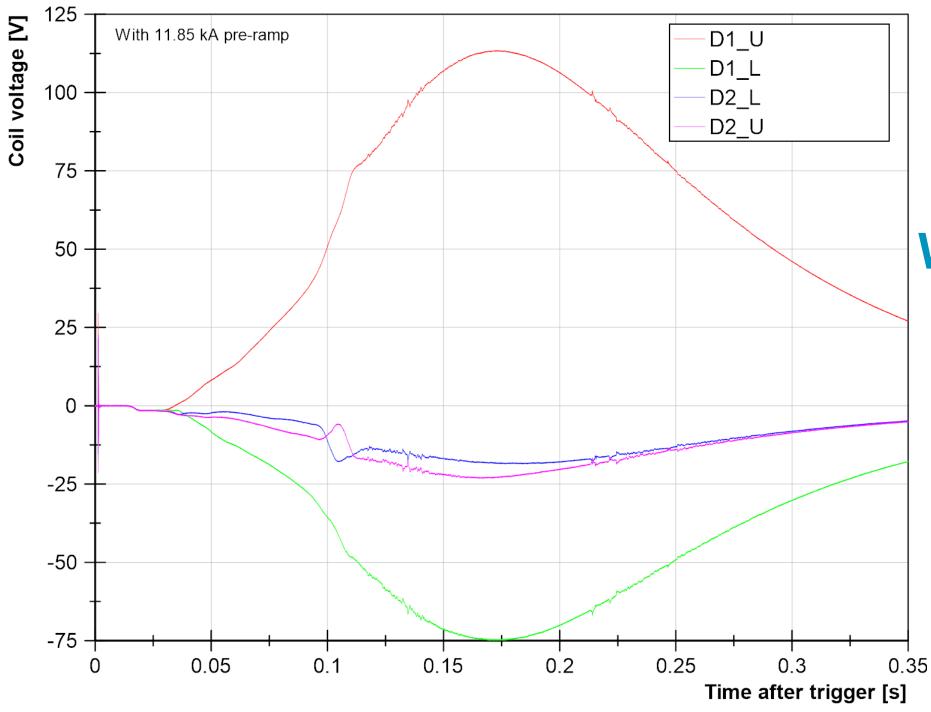
# Test history at 9 kA



Coil voltage after 9 kA discharge: normal



Coil voltage after 9 kA discharge: D1 QH delayed

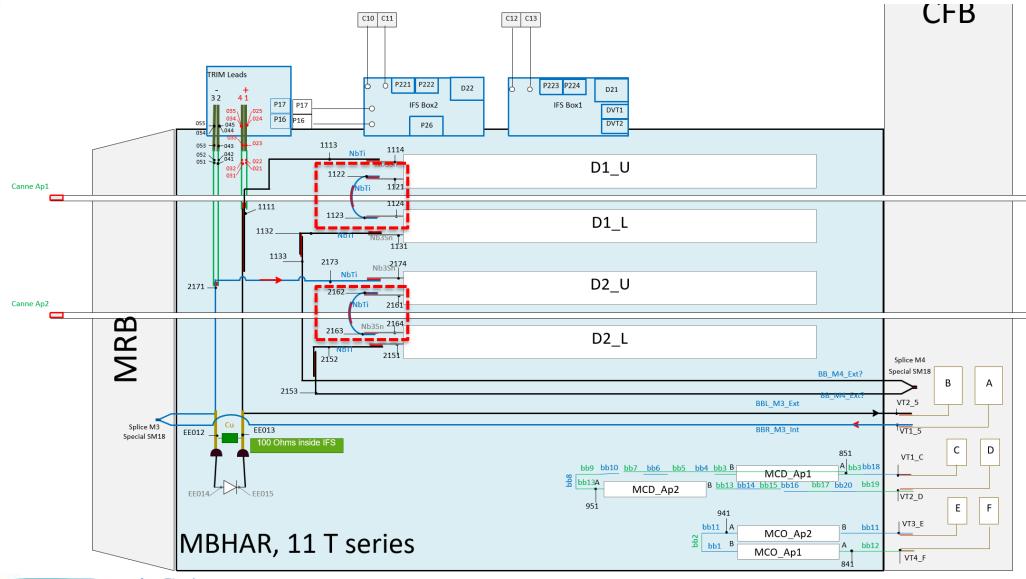


Coil voltage after 9 kA discharge: With pre-ramp

# **Next steps**

- Wiring: add diode wiring
- Pre-ramp to 11.85 kA and discharge at 9 kA (repeat)
- Magnetic measurements
- Preparation for artificial short & impedance
- Impedance measurement during discharge
- Artificial short test with 100 Ohm, at 1.5, 6, 9 kA







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