



Technical Meeting on MQXFB09 Coils: Introduction

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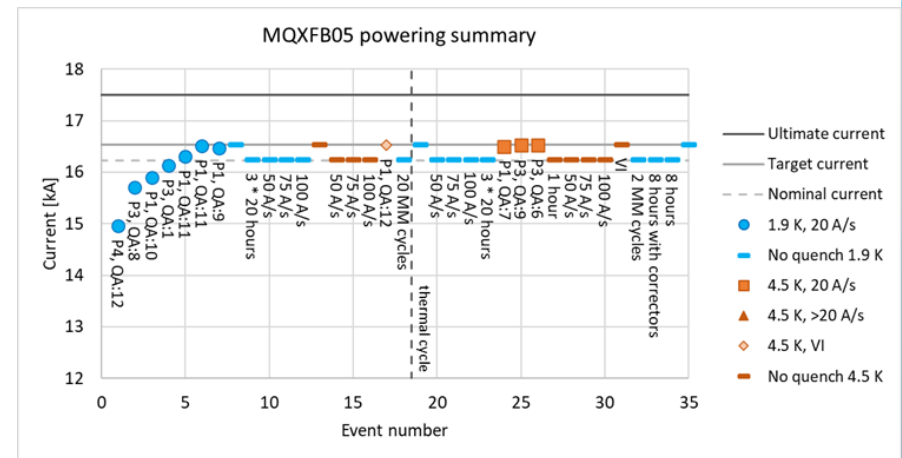
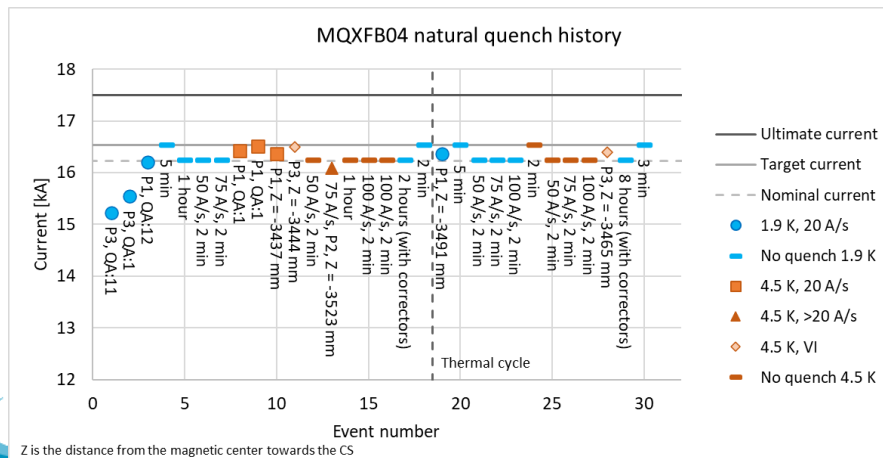
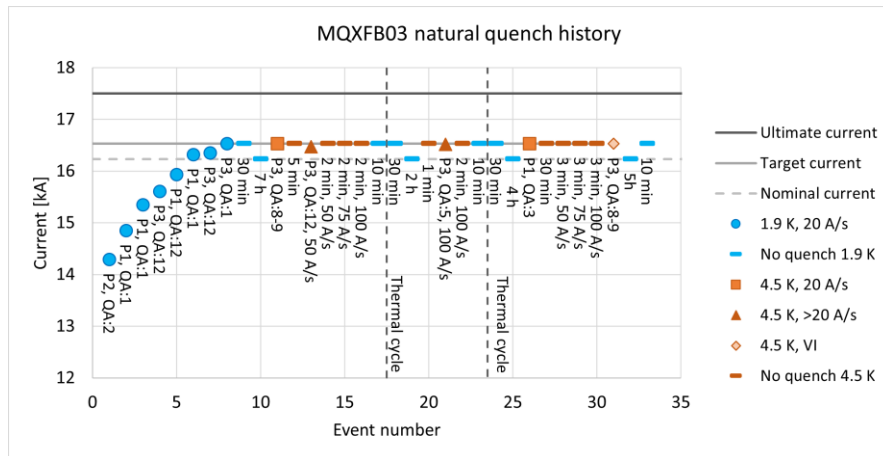
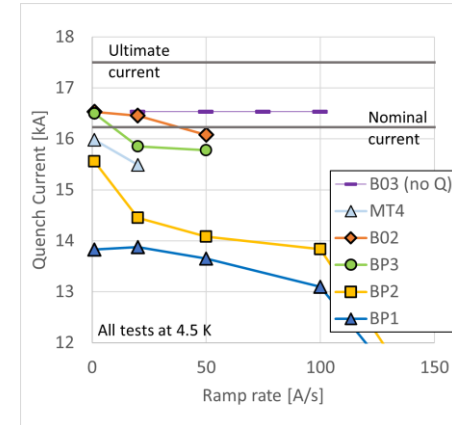
06/01/2025

Objective

- Summarize manufacturing data and non-conformities for the coils to be assembled in MQXFB09, built using the same procedures as MQXFB03/04/05/06/07/08 coils
- Agenda
 - Conductor and cable: J. Fleiter, S. Hopkins
 - Coil fabrication: N. Lusa
 - Coil ordering: E. Ravaioli and S. Izquierdo Bermudez

Introduction – MQXFB magnet performance

- MQXFB03 implement a series of features to improve the coils → **no signs of conductor limitation**
- MQXFB04 and MQXFB05 confirms the results
- Status of next magnets:
 - MQXFB06: test February 2025
 - MQXFB07: cold mass assembly done



Main documents – Acceptance criteria

Acceptance Criteria	
Conductor performance	EDMS 2268225
Heat treatment	EDMS 2333499
Impregnation	EDMS 2428078
Coil geometry	EDMS 2496377
Electrical tests	EDMS 2447487

- Also see:
 - MIP: [EDMS 1996152](#)
 - Flow Chart: [EDMS 1736688](#)

Main fabrication reports

MTF link (FUFs, NCR and all info)	CR152	CR153	CR154	CR155
Conductor performance	3230327	3230332	3230333	3230334
Cabling	3093914	3123166	3230333	3230334
Heat treatment	3177139	3180925	3203144	3212506
Coil geometry	3194787	3203534	3224515	3231594
Final electrical tests	3190921	3203532	3224564	3230561