



# Technical Meeting on MQXFB08 Coils: Introduction

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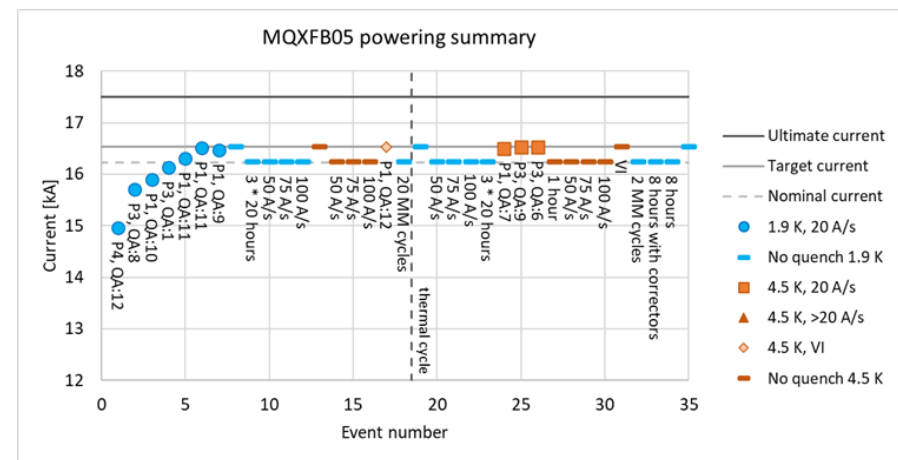
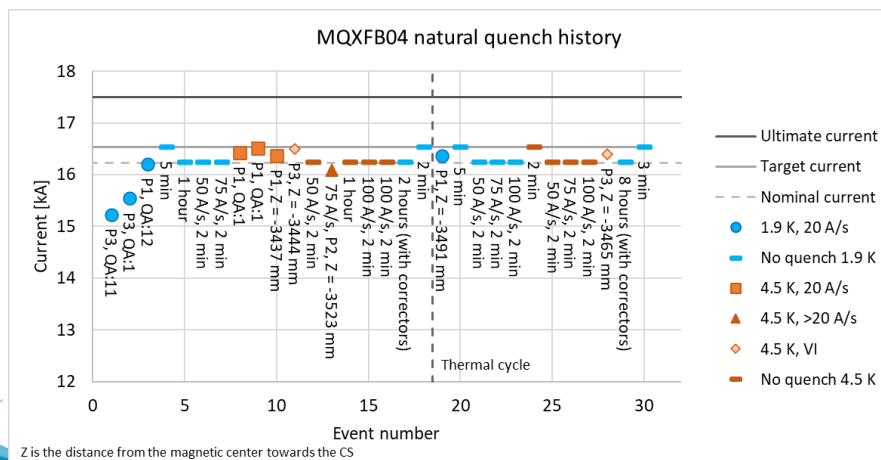
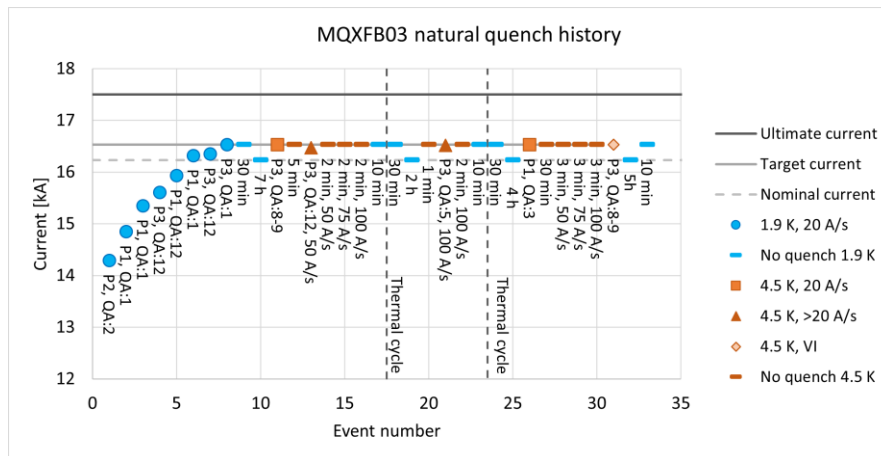
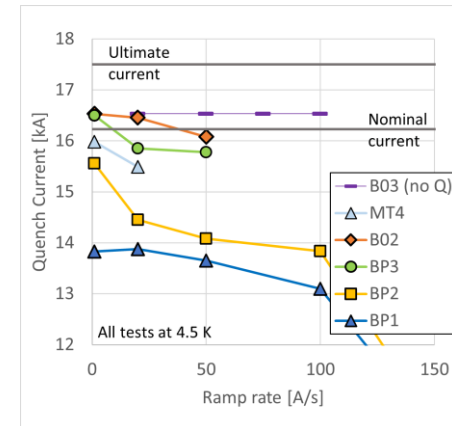
06/11/2024

# Objective

- Summarize manufacturing data and non-conformities for the coils to be assembled in MQXFB08, built using the same procedures as MQXFB03/04/05/06/07 coils
- Agenda
  - Conductor and cable: J. Fleiter, S. Hopkins
  - Coil fabrication: N. Lusa
  - Coil ordering: E. Ravaioli and P. Matilde Quassolo

# 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: cold mass assembly done, plan to test January 2025
  - MQXFB07: cold mass assembly ongoing



# Main documents – Acceptance criteria

Acceptance Criteria	
Conductor performance	<a href="#">EDMS 2268225</a>
Heat treatment	<a href="#">EDMS 2333499</a>
Impregnation	<a href="#">EDMS 2428078</a>
Coil geometry	<a href="#">EDMS 2496377</a>
Electrical tests	<a href="#">EDMS 2447487</a>

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

# Main fabrication reports

<b>MTF link (FUFs, NCR and all info)</b>	<b><u><a href="#">CR148</a></u></b>	<b><u><a href="#">CR149</a></u></b>	<b><u><a href="#">CR150</a></u></b>	<b><u><a href="#">CR151</a></u></b>
<b>Conductor performance</b>	<u><a href="#">3185366</a></u>	<u><a href="#">3185367</a></u>	<u><a href="#">3185368</a></u>	<u><a href="#">3185369</a></u>
<b>Cabling</b>	<u><a href="#">3091621</a></u>	<u><a href="#">2772479</a></u>	<u><a href="#">2774489</a></u>	<u><a href="#">2791624</a></u>
<b>Heat treatment</b>	<u><a href="#">3135945</a></u>	<u><a href="#">3137247</a></u>	<u><a href="#">3152611</a></u>	<u><a href="#">3160739</a></u>
<b>Coil geometry</b>	<u><a href="#">3150945</a></u>	<u><a href="#">3160720</a></u>	<u><a href="#">3169187</a></u>	<u><a href="#">3176430</a></u>
<b>Final electrical tests</b>	<u><a href="#">3139769</a></u>	<u><a href="#">3172270</a></u>	<u><a href="#">3162694</a></u>	<u><a href="#">3172811</a></u>