

# Status of arc interconnect

On behalf of the interconnection  
coordination team and the all  
intervening parties

# Summary

- Highlights
- LHC interconnection cockpit
- Status sector by sector



# General information and special IC

- 8-1 :
  - Leak localized in K-C' circuit of triplet R8 in Q1-Q2 IC; opening of IC and repair are starting
- 3-4 :
  - 4L : Correction of cryogenic tubing in HCM/LCM connection of DFBA is on going ; tubes were not marked. External envelope to be closed on Friday
- 2-3 :
  - Q6L3 : interconnection with DFBMD is on-going ; no specific problem
- DFBL :
  - At 1L,R, 5L,R : completed
  - At point 3 (DSLCL), in stand-by ; waiting 18.10.2007 for interconnection with DFBLCL and DFBAF
- 1L, 2L, 2R : Activities on triplets ; waiting release of PIM installation. Will soon be critical.

Contract :

- CODIR 27/9/2007 to discuss end/extension of contract.

Reconnection of triplet of 5L will take place at the beginning of 2008.

Transfer of tooling, know-how and components

# Sector 4-5

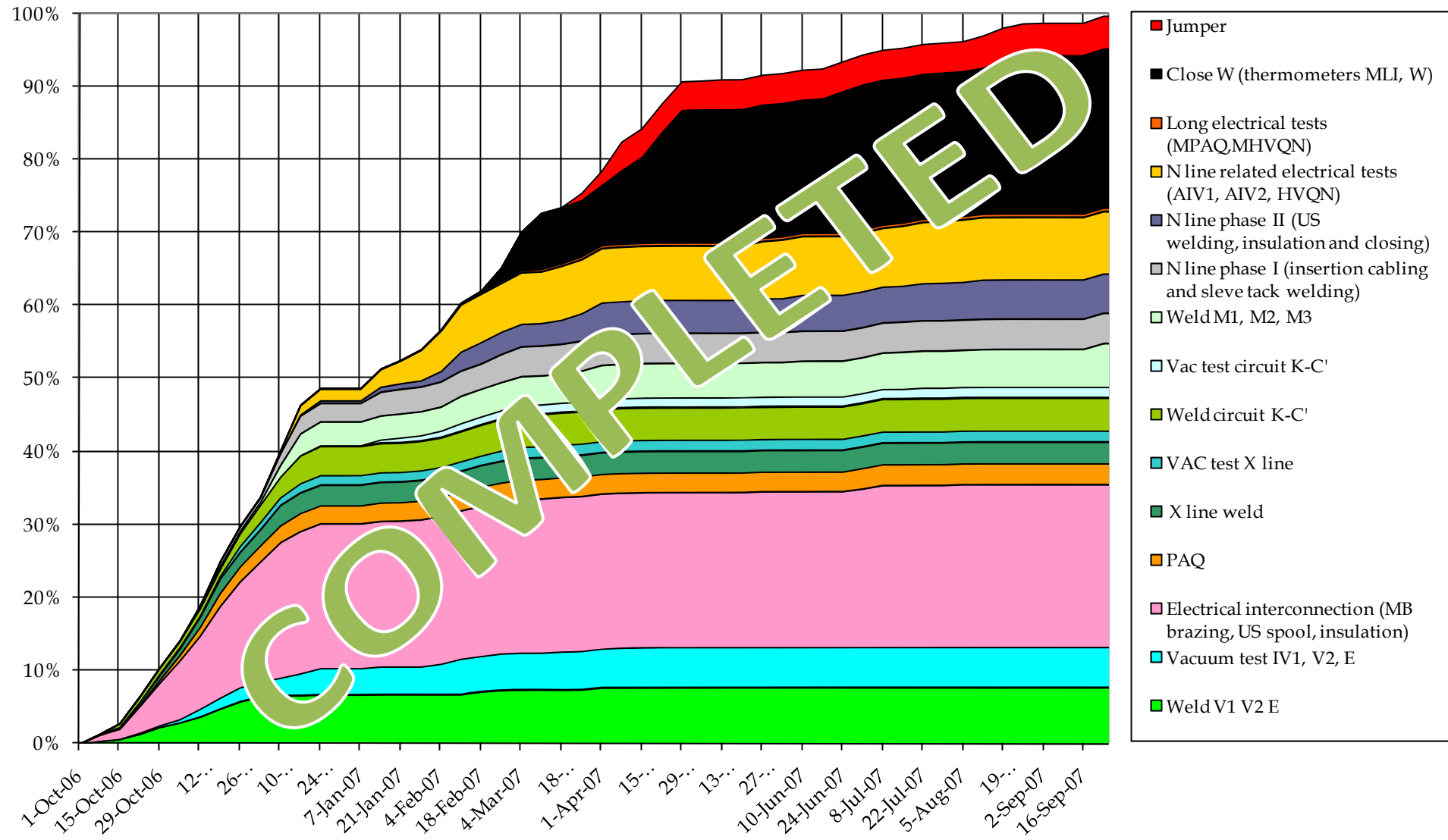
## Leak in sector 7L5:

- Confirmed in DFBA on same CL circuit as R4.
- The leak is on the flexible removed yesterday evening by TS-MME. Today under Study



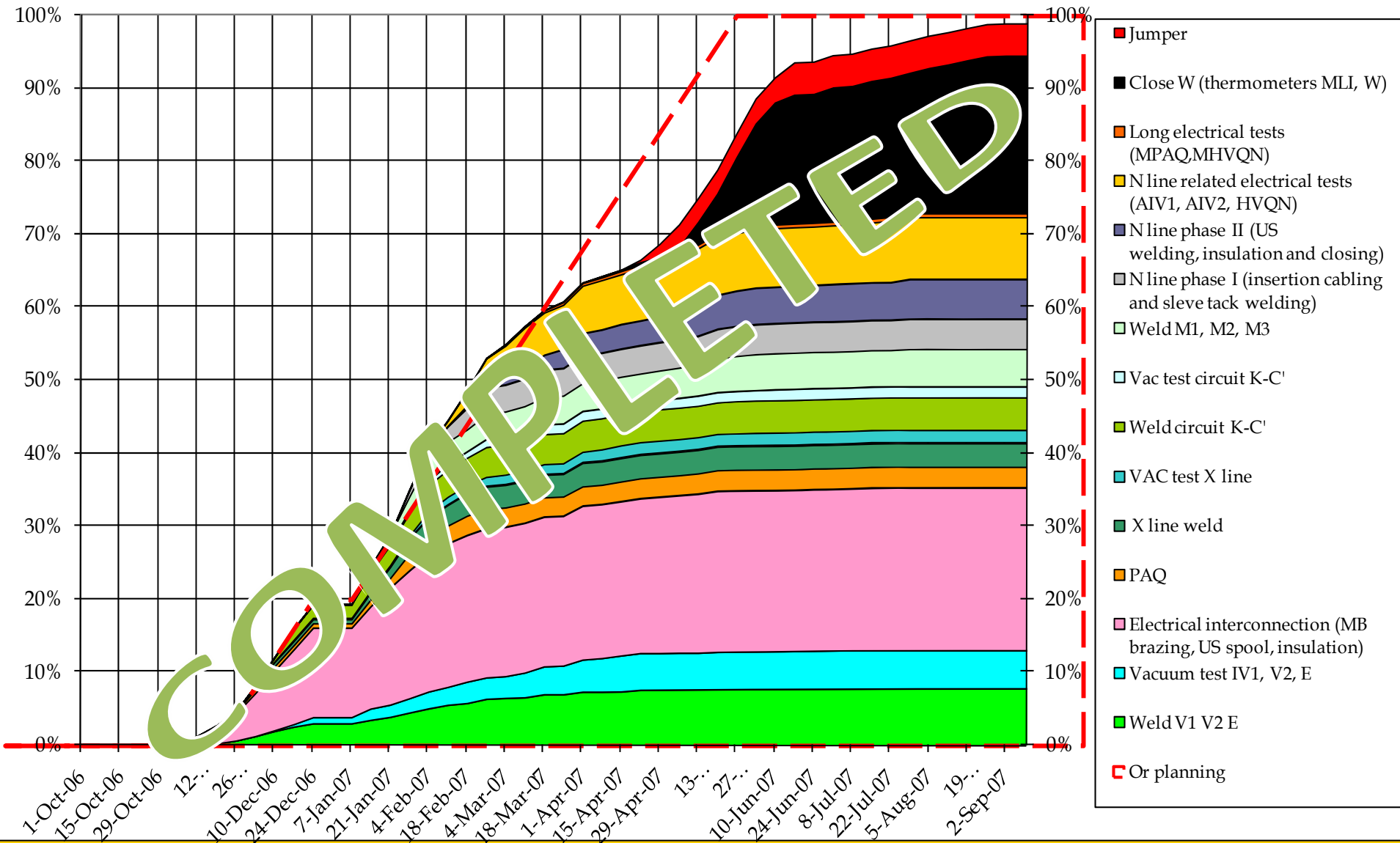
Photo S. Atieh, D. Lombard

# Sector 3-4 general advancement view 10-September-2007



12 sector leak tight  
 1 sector with leaks acceptable for pressure test  
 1 sector under test  
 Pressure test week 40

# Sector 5-6 general advancement view 25-September-2007

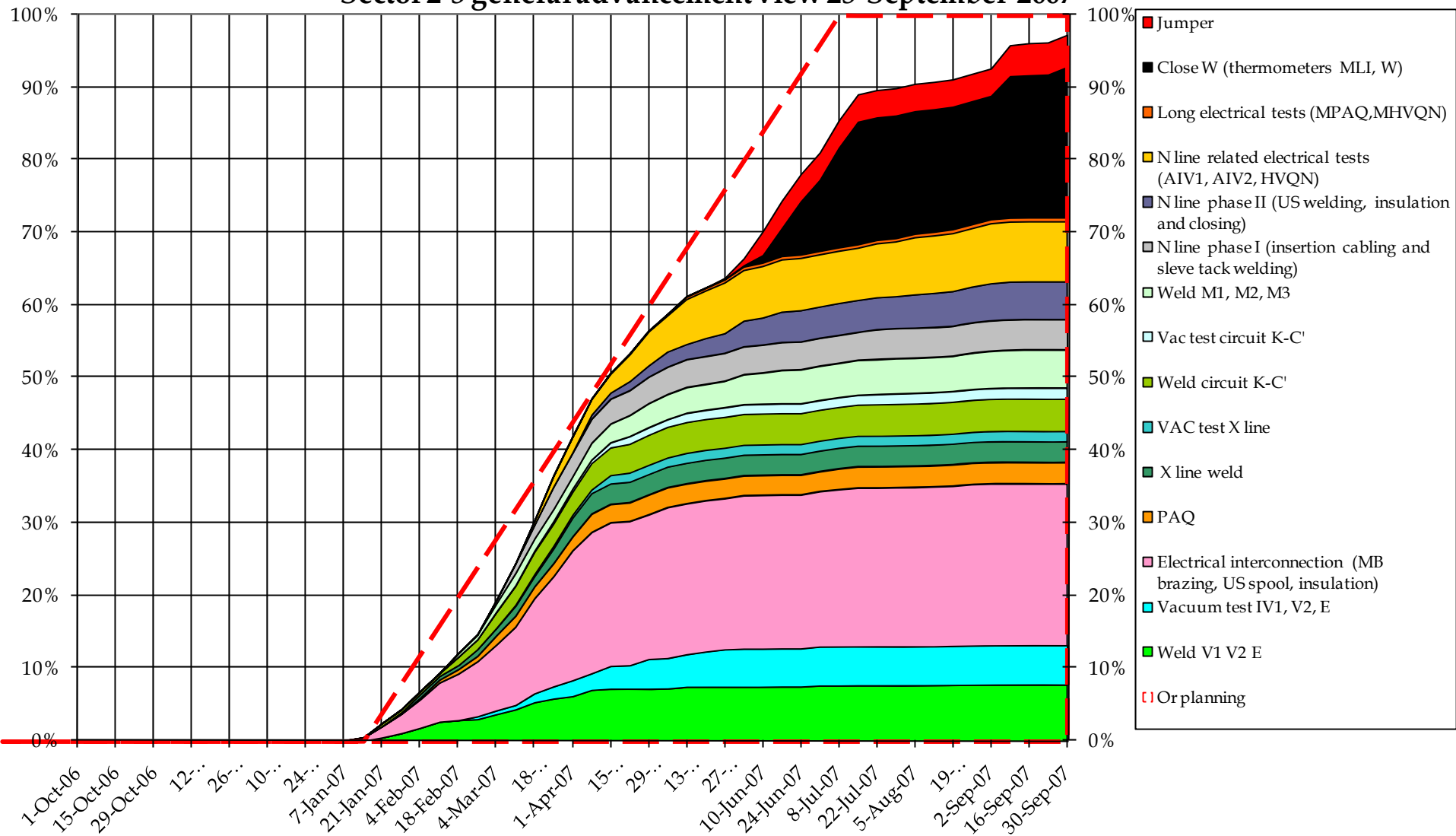


COMPLETED

Pressure test completed

1 leak after pressure test in 15L6  $10^{-3}$  to be confirmed

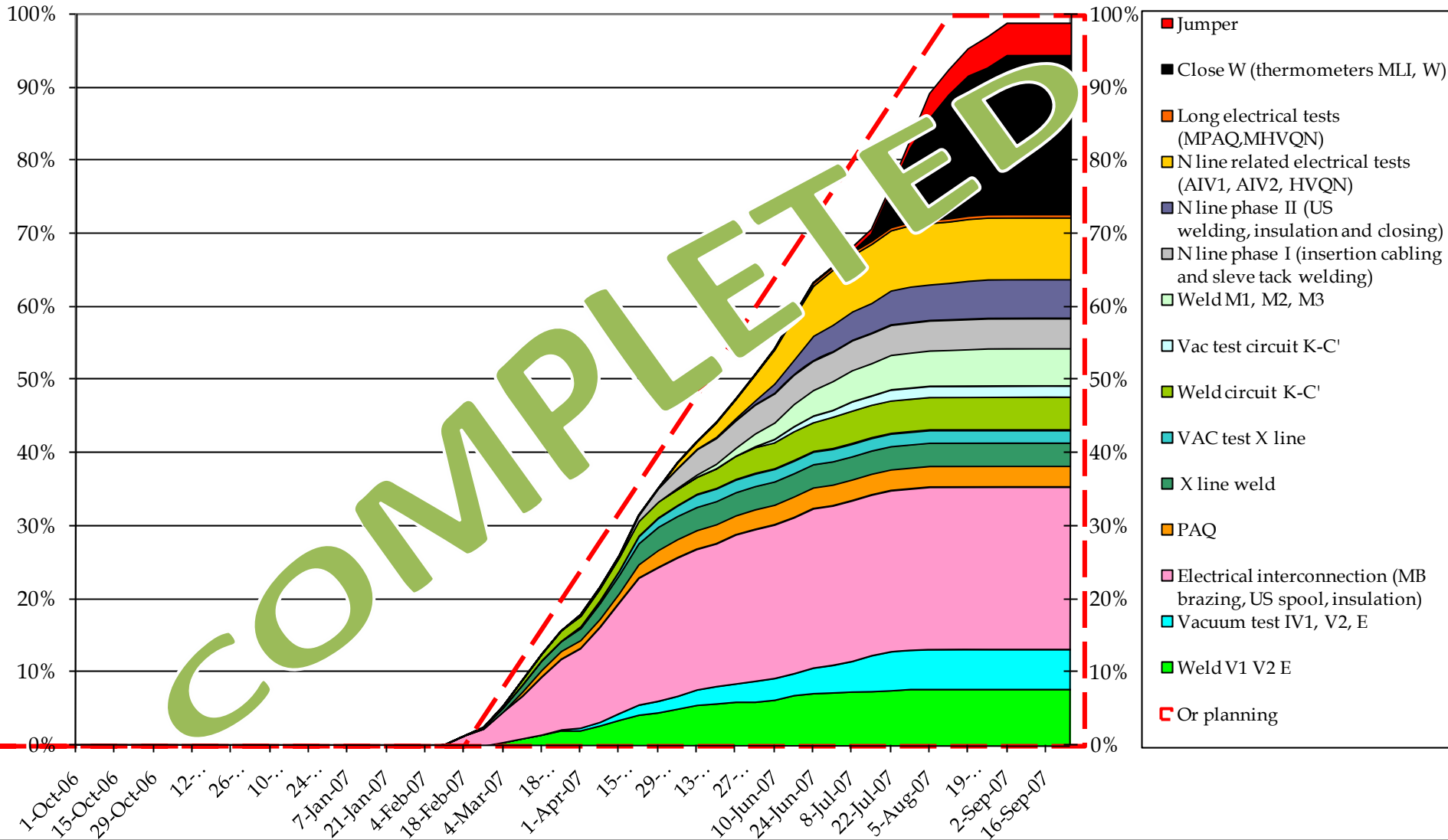
# Sector 2-3 general advancement view 25-September-2007



12 sectors provided  
 7 leak tight  
 1 repaired  
 3 under investigation

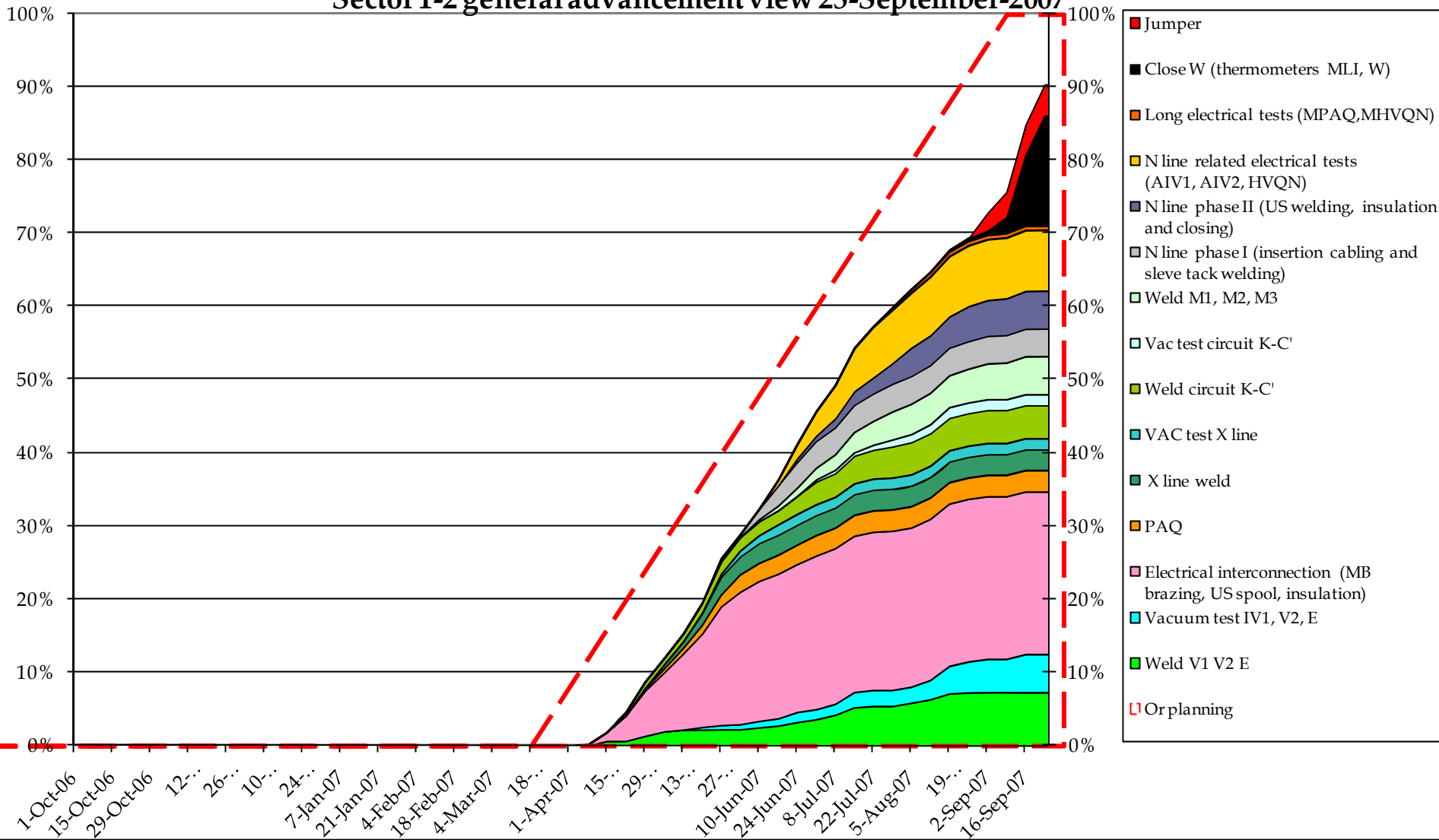


# Sector 6-7 general advancement view 25-September-2007



14 sectors provided  
 9 leak tight  
 5 leaks in research  
 Pressure test week 42

# Sector 1-2 general advancement view 25-September-2007



No sector available due to PIMs problem  
 Restart welding PIMs in week 41  
 Restart closing week 43  
 End in week 44-45