#### **STATUS** of interconnections

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On behalf the interconnection team

MARIC: 10/10/2007

## Summary

- Status sector 7-8
- Status of other sectors

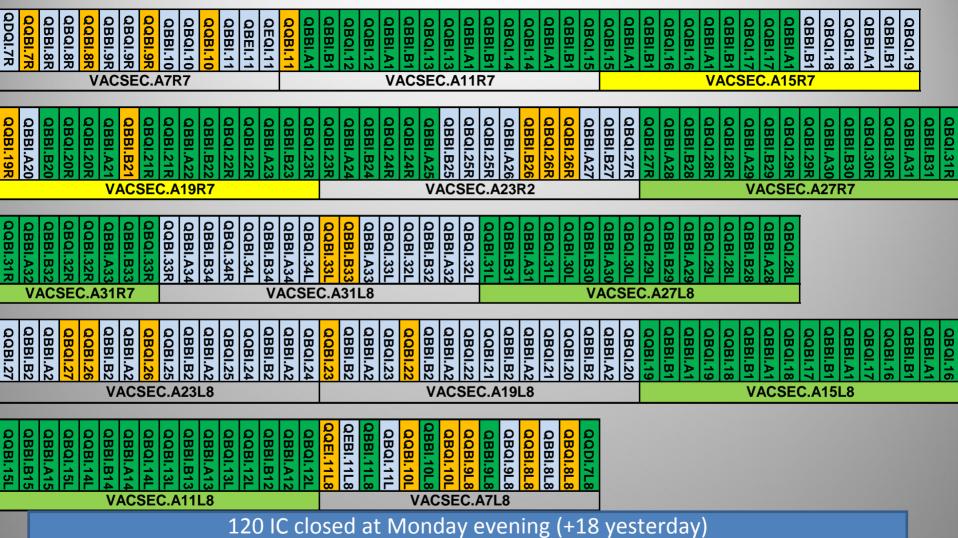
# Status of tasks 7/8 I

Task	Status	Next step
Series 500	All activities completed	Closure of IC and vacsec tests
PIM re-installation	Completed	Line being pumped since Monday 08/10. Tests from Thursday 11/10
Q22L8 and final electrical sector test	Test from DFBAO to DFBAN completed successfully	Closure of IC and vacsec tests
Leak C'K sector 7R7	Leak not yet found, accumulation test undergoing, verification different circuits, W bellow being temporarily closed to help VAC test	It is the problem on the critical path for 7-8. We shall define a dead line ( week 42?). If leak not found close sector, confirm leak and cool down with the leak
DFBMC	Warm cable being installed, after MEL tests	Installation of anti condensation system (ACR)

# Status of tasks 7/8 II

Task	Status	Next step
DOC 60 A	completed	
Q4-D2	Reclosed	Necessity of alignement check to be verified
Triplet L8	PIMs are all welded. Last IC (Q1/Q2) under closure; cold mass leak tested with a low sensitivity (a few 10-5 mb l /sec) and was found OK.	The closure will be completed for Thursday 11/10 then pump down and final leak check will start on Friday. There is an old cold mass leak detected but not localised in 2006 that could require reopening
Visual inspection of IC and instrumentation verification	undergoing	Remark: few ncr found probably linked to several interventions during pim crisis
Closures	Undergoing	

### ARC Closures 7/8



5 vacuum sectors released
2 in target this week (ncr)
30-40 still to be closed this week (41)

## Status sectors I

Sector	status	Next step
4-5	1) Repair of the DFBA flex point 5L with installation of special pim instrumentation completed	Cool down starting
3-4	<ol> <li>Pressure test completed successfully.</li> <li>Vacsec status         <ul> <li>Leak in 7R3 (2 for 2*10^-6) confirmed</li> <li>Leak in 7L4 found after pressure test (4*10^-5)</li> </ul> </li> <li>DSLC in stand-by; waiting 18.10.2007 for interconnection with DFBLC and DFBAF; 6 weeks are foreseen; no change</li> </ol>	Consolidation starting next week
5-6	<ul> <li>1) Vacsec status</li> <li>a) Sector 7L6: closure W on Thursday after instrumentation repair</li> <li>b) Sector 15L6: repair leak F collector today. If everything ok</li> <li>Thursday closures</li> </ul>	7L6 and 15L6 pumping and cryo lines pressurization to test repair
6-7	1) Vacsec status a) 23R6: sector closed repair to be validated b) 31R6: leak 3*10^-6 C'K (repair for cool down?) c) 19L7: repaired sector closed yesterday d) 15L7: C'K 5 10^-5 F collector repair today or tomorrow e) 7L7: C'K 7 10^-6 (repair for cool down?)	Pressure test week 42

#### Status sectors II

Sector	status	Next step
2-3	<ol> <li>Vacsec status: 7 sector leak tight.         <ul> <li>a) 7R2 under test (delayed problem during pumping)</li> <li>b) 11R2 under test</li> <li>c) 19R2: leak c'K 10^-7 C'K (repair for cool down?)</li> <li>d) 23R2: validation after repair</li> <li>e) 19L3 leak c'K 6*10^-7 C'K (repair for cool down?)</li> <li>f) 15L3: : validation after repair</li> <li>g) 7L3: C.M. leak found yesterday under evaluation</li> </ul> </li> </ol>	Pressure test week 44. According to resource available leak findings and installation of PIMs in Q7-DFBA and DFBA-Q7
	<ul> <li>Q6L3: interconnection with DFBMD is restarted after resolution of an elecrical NC</li> <li>Activities on triplet 2R: need installation of PIM: on the critical path (release from VAC)</li> </ul>	it will be completed for W 43 then the jumper between Q6 and QRL will be connected. It has to be done after as it is used as access point for the leak test of the DFBM IC

### Status sectors III

Sector	statu	IS Control of the con	Next step
1-2	2)	PIM installation completed. Today weld of last special PIM after NCR resolution  Activities on triplet 1R 2L: need installation of PIM: on the critical path	V sector test to free instrumentation and closures. Necessity to go ahead in parallel with transport of SSS 80 to surface and TI2 test
		on the critical path	
8-1	1) 2) 3) 4)	Diode repaired. Diode box closed. Sector 7L1 to be closed on Monday SSS80 free for transport Triplet R8 Leak localised in K-C' circuit in Q1-Q2; it was a metal hose with an inner weld between convolutions; it was cut and is under analysis. A spare one (provided by US collaboration) is under installation now by IEG. It was the only spare so no more avaiable. Only	New SSS to be installed 16/10, aligned 17/10. Start interconnect 18/10

#### F 523 Contract status

- CODIR took place on 27/9/2007 [End of Contract management]
- Reconnection DSLC brought forward to end 2007
- At the beginning of 2008 :
  - Reconnection of triplet to the QRL (2 jumpers) and IC between Q3 and DFBX
  - Warm-up of 4-5 so possible openings and exchange of PIMs
- Transfer of tooling, components and knowledge is started; tooling will be tested and then transferred to CERN (Building 183)
- Next CODIR scheduled for 25.10.2007 to define activities in 2008