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
- Consolidation in sector 7-8
- Status inspection for PIM
- Coordination







Highlights I

Brazing of 13KA bus bar

US welding of M line spools

US welding of N line spools

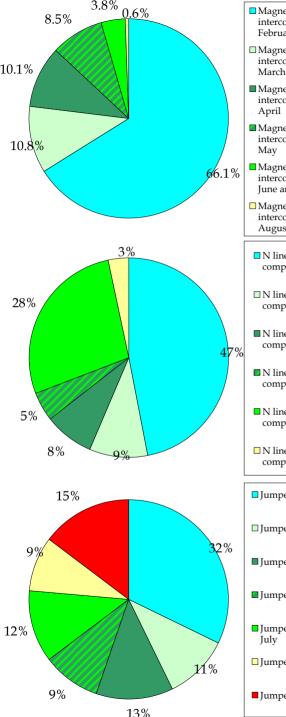
Highlights II



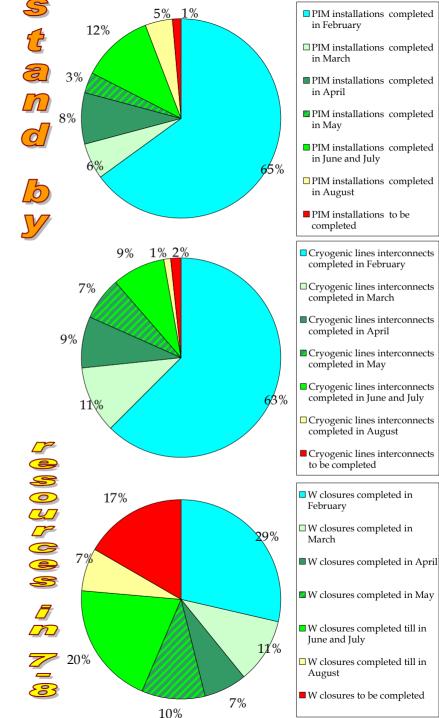
ELQA assembly tests between DFBA R and DFBA L including DS regions



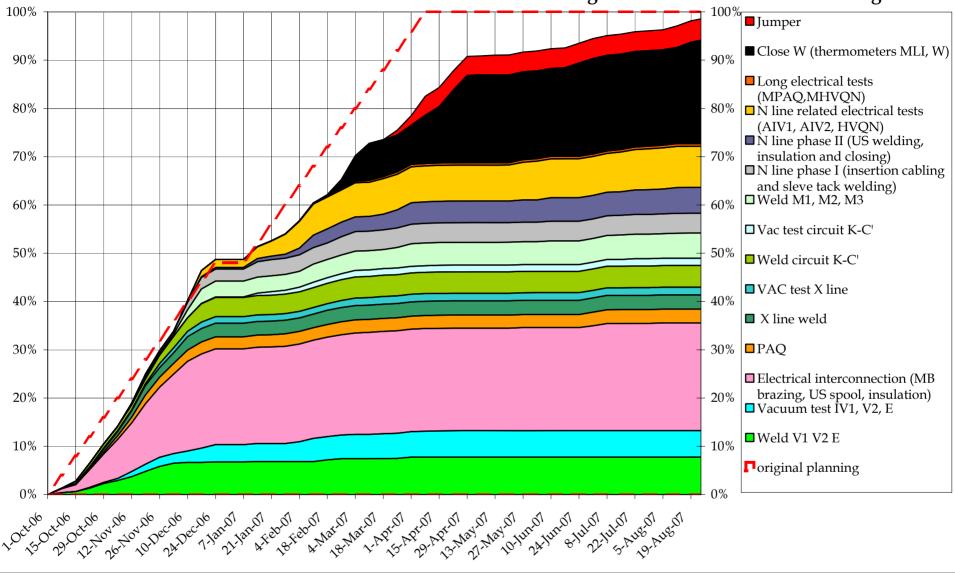
Other Welding of X, E, C', K lines completes





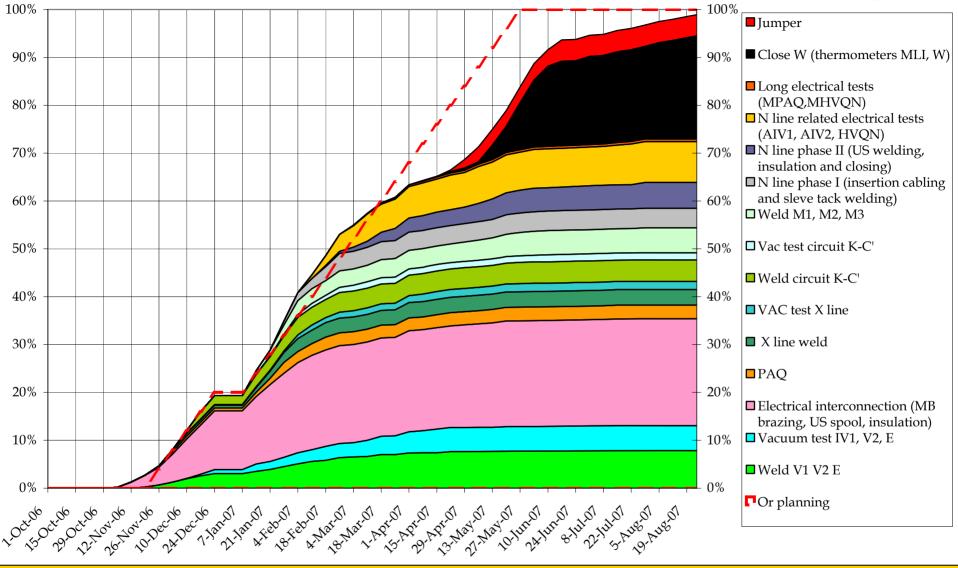


Sector 3-4 general advancement view 24-August-2007



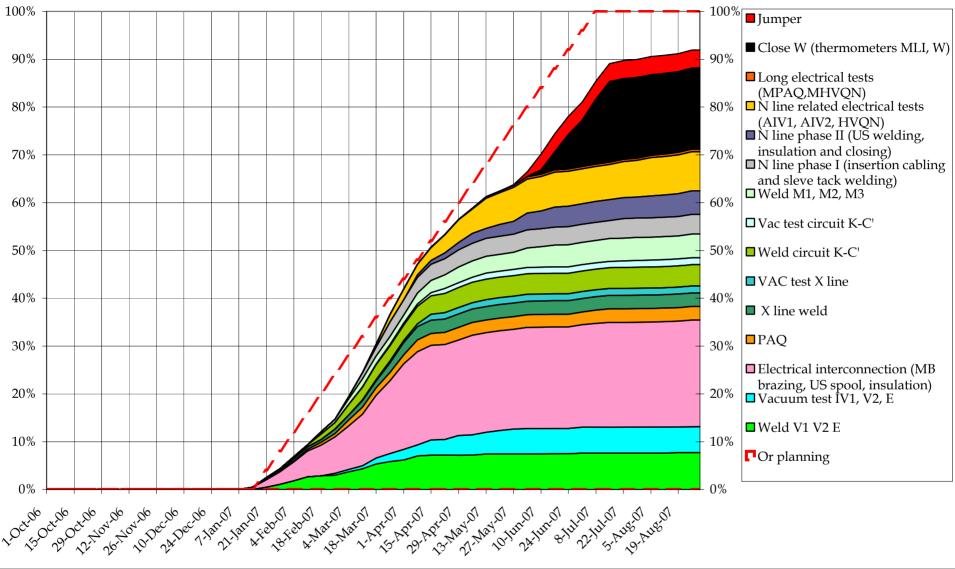
11 sector leak tight 1 sector repaired closed 1 new sector closed Last Ic need modification to W bellow: target end of week

Sector 5-6 general advancement view 24-August-2007



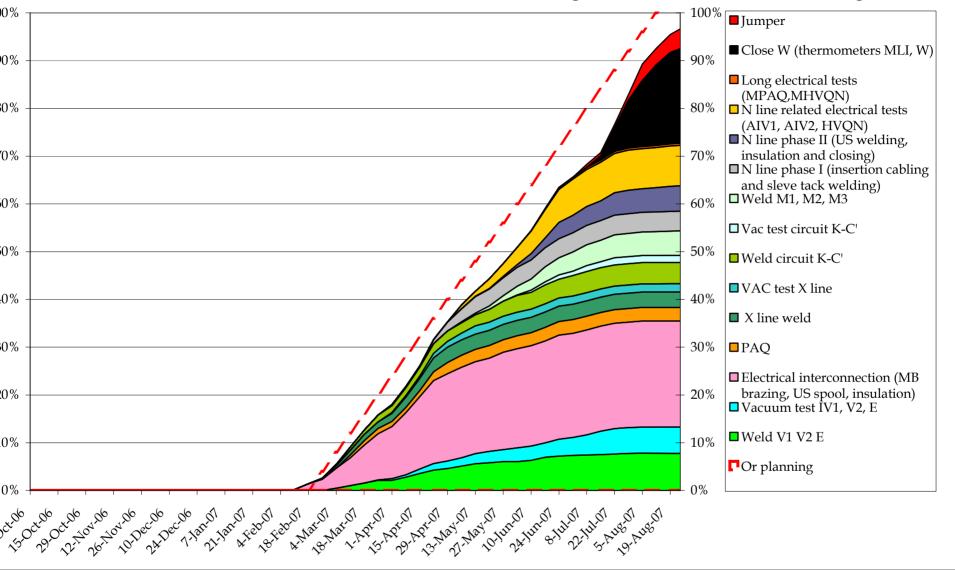
12 sector leak tight 1 leak not found 2 10^-7 Last Ic need modification to W bellow: target Thursday

Sector 2-3 general advancement view 24-August-2007



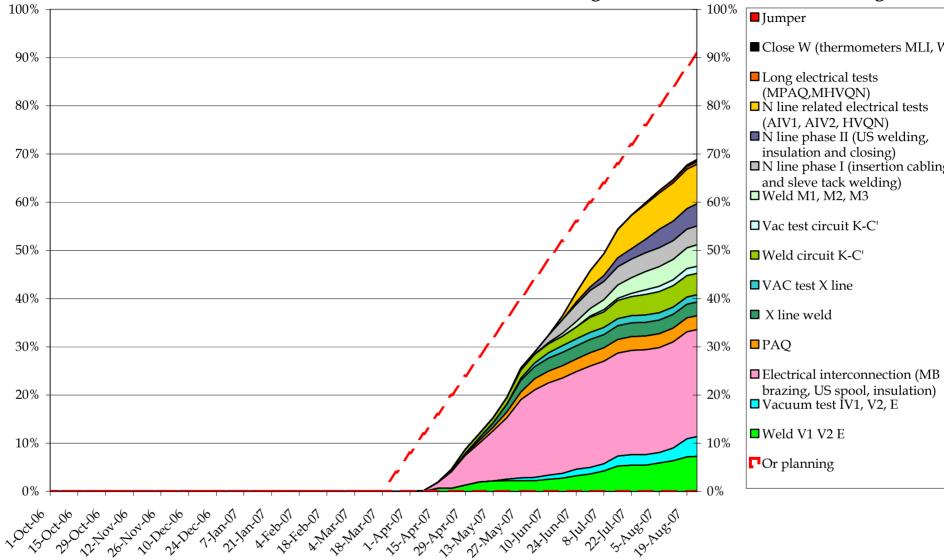
10 sectors provided 6 leak tight 4 under investigation

Sector 6-7 general advancement view 24-August-2007



11 sectors provided 2 leak tight 9 under test Target mid of next week

Sector 1-2 general advancement view 24-August-200



Ready to start closing Postpone for openings W in 1-2 As soon as resources available we will start closing W

Closing on 1-2

- Closing of W bellow would start next week (Tuesday-Wednesday). Possible strategies
 - Weld plug ins, close everything
 - Do not weld pim, close places without pim without mli and screen
 - Close only W bellow to go for cold mass tests

| Intervention | status | remark |
|-----------------------------|--|---|
| Change PIM DS | Pim cut ready to weld new | stopped |
| Change of 1055 with 1334 | Electrical IC completed and tested ok. Welds and local vac test undergoing | 4.5 week will be needed. Feasible in 4 |
| Repair SSS 500 | All bus bar shortened, 2 brazed. No need of insulation reinforcement | See photo later |
| | Campaign to change flanges | |
| Inner triplet repair | Q1L8: transport today | |
| O rings on DFBA/Q& R7 IC | Intervention in September | |

| Intervention | status | remark |
|---|---|---|
| Improve electrical insulation of DFBAO 6kA | Intervention performed, electrical test not conform, high current leakage. New test on Friday | |
| Replace X bellow in qbqi.818 | Done | Leak test to be performed later when XB circuits closed |
| Inspection of beam line bellow | All use as is except one nested bellow in QBBI.10R7. It has been reinforced with resin | |
| Reinforcement of the instrumentation splices for he interconnection cryostat | done | |

| Intervention | status | remark |
|------------------------|--|--------|
| Verification Q4-D2 | IC is ok | |
| | Results of endoscope inspection in beam lines did not show any big problem. Declared use as is by vacuum | |
| | Consolidation of jacks week 35-36 TS-IC | |
| Short in Q22L8 | Short found and repaired replacement of flanges needed and undergoing | |
| Leaking Y line in Q9L8 | Problem on Y line repaired. Phase separator still to be closed | |

| Intervention | status | remark |
|--------------------------------|---|--|
| Leak 32L8 cold mass circuit | Found on a weld brought down from surface on (connection flexible M2N) | Repair postpone to wait depressurization |
| Repair DFBMC | Measurements undergoing today before closing. Use as is | |
| Leak C'/K 7R7 | Not found, new connection C'opened in qdqi.7r7 | |

At the moment about 120 ICs have been opened in 7-8. Remember that to re-close the sector 4-5 weeks will be needed

Remember: contact bus bar with heat exchanger pipe. SSS type D



| | IC | QBBI.B | <u>QBQI.2</u> | QQB1.2 | QBBI.A | QBBI.B2 | QBQI.2 | QQBI.2 | QBBI.A2 | QBBI.B2 | QBQ1.28 | QQB1.28 | QBBI.A | QBBI.B | <u>QBQI.2</u> | QQBI.29 | QBBI.A3 | QBBI.B30 | QBQI.30 |
|---------|------|-------------|---------------|------------|-------------|------------|------------|------------|------------|------------|-----------|-----------|-------------|-------------|---------------|-----------|------------|-----------|-----------|
| | Slot | <u>26R7</u> | <u>6R7</u> | <u>6R7</u> | <u>27R7</u> | <u>7R7</u> | <u>7R7</u> | <u>7R7</u> | <u>8R7</u> | <u>8R7</u> | <u>R7</u> | <u>R7</u> | <u>29R7</u> | <u>29R7</u> | <u>9R7</u> | <u>R7</u> | <u>0R7</u> | <u>R7</u> | <u>R7</u> |
| visual | V1 | OK | | NOT OK | | | | | | | | | | | | | | | |
| VISUAL | V2 | OK | | NOT OK | | | | | | | | | | | | | | | |
| RF | V1 | | | NOT OK | OK | OK | OK | OK | OK | OK | OK | OK | | | | | | | OK |
| | V2 | | | NOT OK | OK | OK | OK | OK | OK | ОК | OK | OK | | | | | | | OK |
| Endo | V1 | | | OK | OK | OK | | | | | | | | | | | | | |
| Hildo | V2 | | | NOT OK | OK | OK | | | | | | | | | | | | | |
| X-ray | V1 | | | | | | | | | | | | | | | | | | |
| - A-Lay | V2 | | | | | | | | | | | | | | | | | | |

| | IC | QQBI.3 | QBBI.A | QBBI.B | QBQI.3 | QQBI.31 | QBBI.A | QBBI.B | QBQI.32 | QQB1.32 | QBBI.A3 | QBBI.B3 | QBQI.3 | QQBI.3 | QBBI.A | QBBI.B3 | QBQ1.34 | QQBI.34L | QBBI.B3 |
|--------|------|------------|-------------|-------------|------------|-----------|-------------|-------------|-----------|-----------|------------|------------|------------|------------|-------------|------------|-----------|----------|------------|
| | Slot | <u>0R7</u> | <u>31R7</u> | <u>31R7</u> | <u>1R7</u> | <u>R7</u> | <u>32R7</u> | <u>32R7</u> | <u>R7</u> | <u>R7</u> | <u>3R7</u> | <u>3R7</u> | <u>3R7</u> | <u>3R7</u> | <u>34R7</u> | <u>4R7</u> | <u>R7</u> | <u>8</u> | <u>4L8</u> |
| visual | V1 | | | | | | | | | | | | | | | | | | |
| VISUAL | V2 | | | | | | | | | | | | | | | | | | |
| RF | V1 | OK | | | | | | | | | | | | | | | | | |
| | V2 | OK | | | | | | | | | | | | | | | | | |
| Endo | V1 | | | | | | | | | | | | | | | | | | |
| Lindo | V2 | | | | | | | | | | | | | | | | | | |
| X-ray | V1 | | | | | | | | | | | | | | | | | | |
| | V2 | | | | | | | | | | | | | | | | | | |

| | IC | QBBI.A | QBQI.3 | QQBI.3 | QBBI.B | QBBI.A3 | QBQI.3 | QQBI.3 | QBBI.B3 | QBBI.A3 | QBQI.32 | QQBI.31 | QBBI.B | QBBI.A | QBQI.3 | QQBI.30 | QBBI.B3 | QBBI.A30 | QBQI.30 |
|--------|------|-------------|------------|------------|-------------|------------|------------|------------|------------|------------|-----------|-----------|-------------|---------------|------------|-----------|------------|-----------|-----------|
| | Slot | <u>34L8</u> | <u>4L8</u> | <u>3L8</u> | <u>33L8</u> | <u>3L8</u> | <u>3L8</u> | <u>2L8</u> | <u>2L8</u> | <u>2L8</u> | <u>L8</u> | <u>L8</u> | <u>31L8</u> | <u>31L8</u> | <u>1L8</u> | <u>L8</u> | <u>0L8</u> | <u>L8</u> | <u>L8</u> |
| visual | V1 | | | | | | | | | | | | | | | | | | |
| VIBUAL | V2 | | | | | | | | | | | | | | | | | | |
| RF | V1 | | | | | | | | | | | | | | | | | | |
| nr. | V2 | | | | | | | | | | | | | | | | | | |
| Endo | V1 | | | | | | | | | | | | | | | | | | |
| Endo | V2 | | | | | | | | | | | | | | | | | | |
| X-ray | V1 | | | | | | | | | OK | | | | | | | | | |
| - I'ay | V2 | | | | | | | | | OK | | | | | | | | | |

| | IC Slot | <u>QQBI.2</u> 9L8 | <u>QBBI.B</u> 29L8 | <u>QBBI.A</u> <u>29L8</u> | <u>QBQI.2</u> 9 <u>L8</u> | <u>QQBI.28</u> <u>L8</u> | <u>QBBI.A</u> <u>28L8</u> | <u>QBQI.28</u> <u>L8</u> | <u>QQBI.27</u> <u>L8</u> | <u>QBBI.B2</u> 7 <u>L8</u> | <u>QBBI.A2</u> <u>7L8</u> | <u>QBQI.2</u> <u>7L8</u> | <u>QQBI.2</u> <u>6L8</u> | <u>QBBI.B</u> <u>26L8</u> | <u>QBBI.A2</u> 6L8 | <u>QBQI.26</u> <u>L8</u> | <u>QQBI.25L</u> <u>8</u> | <u>QBBI.B2</u> <u>5L8</u> |
|--------|------------|----------------------|-----------------------|------------------------------|------------------------------|-----------------------------|----------------------------------|-----------------------------|-----------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------|-----------------------------|-----------------------------|------------------------------|
| visual | V1 | | | | | | | | | | | | | | | | | |
| VIBUAL | V2 | | | | | | | | | | | | | | | | | |
| RF | V1 | | | | | | | | | | | | | | | | | |
| | V2 | | | | | | | | | | | | | | | | | |
| Endo | V1 | | | | | | | | | | | | | | | | | |
| Lindo | V2 | | | | | | | | | | | | | | | | | |
| X-ray | V1 | | | | | | | | | | | | | | | | | |
| n rai | V2 | | | | | | | | | | | | | | | | | |

| | IC | QBBI.A | <u>QBQI.2</u> | QQBI.2 | QBBI.B | QBBI.A2 | <u>QBQI.2</u> | QQBI.2 | QBBI.B2 | QBBI.A2 | QBQ1.23 | QQBI.22 | QBBI.B | QBBI.A | QBQ1.2 | QQBI.21 | QBBI.B2 | QBBI.A21 | <u>QBQI.21</u> |
|--------|------|-------------|---------------|------------|-------------|------------|---------------|------------|------------|------------|-----------|-----------|-------------|-------------|------------|-----------|------------|-----------|----------------|
| | Slot | <u>25L8</u> | <u>5L8</u> | <u>4L8</u> | <u>24L8</u> | <u>4L8</u> | <u>4L8</u> | <u>3L8</u> | <u>3L8</u> | <u>3L8</u> | <u>L8</u> | <u>L8</u> | <u>22L8</u> | <u>22L8</u> | <u>2L8</u> | <u>L8</u> | <u>1L8</u> | <u>L8</u> | <u>L8</u> |
| visual | V1 | | | | | | | | | | | | | | | | | | |
| VIBUAL | V2 | | | | | | | | | | | | | | | | | | |
| RF | V1 | | | | | | | | | | | | | | | | | | |
| | V2 | | | | | | | | | | | | | | | | | | |
| Endo | V1 | | | | | | | | | | | | | | | | | | |
| Lindo | V2 | | | | | | | | | | | | | | | | | | |
| X-ray | V1 | | | | | | | | | | | OK | | | | | | | |
| Alay | V2 | | | | | | | | | | | OK | | | | | | | |

| | IC Slot | <u>QQBI.2</u> 0L8 | <u>QBBI.B</u> 20L8 | <u>QBBI.A</u> 20L8 | <u>QBQI.2</u> 0L8 | <u>QQBI.19</u> L8 | <u>QBBI.B</u> 19L8 | <u>QBBI.A</u> 19L8 | <u>QBQI.19</u> L8 | QQBI.18 L8 | <u>QBBI.B1</u> 8L8 | QBBI.A1 8L8 | <u>QBQI.1</u> 8L8 | <u>QQBI.1</u> 7L8 | <u>QBBI.B</u> 17L8 | <u>QBBI.A1</u> 7L8 | <u>QBQI.17</u> L8 | <u>QQBI.16L</u> 8 | QBBI.B1 6L8 |
|--------|------------|----------------------|-----------------------|-----------------------|----------------------|----------------------|-----------------------|-----------------------|----------------------|---------------|-----------------------|----------------|----------------------|----------------------|-----------------------|-----------------------|----------------------|----------------------|----------------|
| visual | V1 | | | | | | | | | | | | | | | | | _ | |
| VISUAL | V2 | | | | | | | | | | | | | | | | | | |
| RF | V1 | | | | | | | | | | | | | | | | | | |
| . KE | V2 | | | | | | | | | | | | | | | | | | |
| Endo | V1 | | | | | | | | | | | | | | | | | | |
| Endo | V2 | | | | | | | | | | | | | | | | | | |
| X-ray | V1 | | | | OK | OK | OK | OK | OK | OK | OK | ок | OK | OK | OK | OK | OK | OK | OK |
| A Lay | V2 | | | | OK | OK | OK | OK | OK | OK | OK | ок | OK | OK | OK | OK | OK | OK | OK |

| | IC | QBBI.A | QBQI.1 | QQBI.1 | QBBI.B | QBBI.A1 | QBQI.1 | QQBI.1 | QBBI.B1 | QBBI.A1 | <u>QBQI.14</u> | <u>QQBI.13</u> | QBBI.B | QBBI.A | <u>QBQI.1</u> | QQBI.12 | QBBI.B1 | QBBI.A12 | <u>QBQI.12</u> |
|--------|------|-------------|------------|------------|-------------|------------|------------|------------|------------|------------|----------------|----------------|-------------|-------------|---------------|-----------|------------|-----------|----------------|
| | Slot | <u>16L8</u> | <u>6L8</u> | <u>5L8</u> | <u>15L8</u> | <u>5L8</u> | <u>5L8</u> | <u>4L8</u> | <u>4L8</u> | <u>4L8</u> | <u>L8</u> | <u>L8</u> | <u>13L8</u> | <u>13L8</u> | <u>3L8</u> | <u>L8</u> | <u>2L8</u> | <u>L8</u> | <u>L8</u> |
| visual | V1 | | | | | | | | | | | | | | | | | | |
| VIBUAL | V2 | | | | | | | | | | | | | | | | | | |
| RF | V1 | | | | | | | | | | | | OK | OK | OK | OK | OK | ОК | ок |
| . RE | V2 | | | | | | | | | | | | OK | OK | OK | OK | OK | ОК | ок |
| Endo | V1 | | | | | | | | | | | | | | | | | ок | ок |
| Endo | V2 | | | | | | | | | | | | | | | | | ок | ок |
| X-ray | V1 | OK | OK | OK | OK | OK | OK | OK | OK | OK | ОК | ОК | OK | OK | OK | OK | OK | ОК | ОК |
| -Iay | V2 | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK |

| | IC | QQEI.1 | QEBI.1 | QBBI.1 | QBQI.1 | QQBI.10 | QBBI.1 | QBQI.1 | QQBI.9L | QBBI.9L | QBQI.9L | QQBI.8L | QBBI.8 | QBQI.8 | QQDI.7 | | |
|--------|------|------------|------------|------------|------------|-----------|------------|------------|----------|----------|----------|----------|-----------|-----------|-----------|--|--|
| | Slot | <u>1L8</u> | <u>1L8</u> | <u>1L8</u> | <u>1L8</u> | <u>L8</u> | <u>0L8</u> | <u>0L8</u> | <u>8</u> | <u>8</u> | <u>8</u> | <u>8</u> | <u>L8</u> | <u>L8</u> | <u>L8</u> | | |
| visual | V1 | NOT OK | | | | OK | | | OK | | | OK | | | | | |
| VIBUUI | V2 | OK | | | | OK | | | NOT OK | | | OK | | | | | |
| RF | V1 | | OK | OK | OK | | OK | OK | | ок | ОК | | OK | OK | | | |
| - RE | V2 | | OK | OK | OK | | OK | OK | | OK | OK | | OK | OK | | | |
| Endo | V1 | NOT OK | OK | OK | OK | | OK | OK | OK | OK | OK | | OK | OK | OK | | |
| Bildo | V2 | OK | OK | OK | OK | | OK | OK | | OK | OK | | OK | OK | OK | | |
| X-ray | V1 | | OK | OK | OK | | OK | OK | OK | ОК | OK | | OK | OK | OK | | |
| Alay | V2 | | OK | OK | OK | | OK | OK | | ок | OK | | OK | OK | OK | | |

| | IC | QDQI.7 | <u>QQBI.7</u> | <u>QBBI.8</u> | <u>QBQI.8</u> | QQBI.8R | QBBI.9 | <u>QBQI.9</u> | QQBI.9R | QBBI.10 | QBQI.10 | QQBI.10 | QBBI.1 | QBEI.1 | QEQI.1 | QQBI.11 | QBBI.A1 | QBBI.B12 | QBQI.12 |
|--------|------|-----------|---------------|---------------|---------------|---------|-----------|---------------|---------|-----------|-----------|-----------|------------|------------|------------|-----------|------------|-----------|-----------|
| | Slot | <u>R7</u> | <u>R7</u> | <u>R7</u> | <u>R7</u> | Z | <u>R7</u> | <u>R7</u> | Ζ | <u>R7</u> | <u>R7</u> | <u>R7</u> | <u>1R7</u> | <u>1R7</u> | <u>1R7</u> | <u>R7</u> | <u>2R7</u> | <u>R7</u> | <u>R7</u> |
| visual | V1 | | OK | | | NOT OK | | | NOT OK | | | NOT OK | | | | NOT OK | | | |
| VISUAL | V2 | | OK | | | NOT OK | | | NOT OK | | | OK | | | | ОК | | | |
| RF | V1 | OK | | OK | OK | | OK | OK | | OK | ок | | OK | OK | OK | | ОК | OK | |
| . KI | V2 | OK | | OK | OK | | OK | OK | | OK | ок | | OK | OK | OK | | ОК | OK | |
| Endo | V1 | OK | | OK | OK | | OK | OK | | OK | ок | | OK | OK | OK | | ОК | OK | OK |
| Endo | V2 | OK | | OK | OK | | OK | OK | | OK | ок | | OK | OK | OK | | ОК | OK | OK |
| X-ray | V1 | | | | | | | | | | | | | | | | | | |
| | V2 | | | | | | | | | | | | | | | | | | |

| | IC Slot | <u>QQBI.1</u> 2R7 | <u>QBBI.A</u> 13R7 | <u>QBBI.B</u> 13R7 | <u>QBQI.1</u> 3R7 | <u>QQBI.13</u> R7 | <u>QBBI.A</u> 14R7 | <u>QBBI.B</u> 14R7 | <u>QBQI.14</u> R7 | <u>QQBI.14</u> R7 | <u>QBBI.A1</u> 5R7 | <u>QBBI.B1</u> 5R7 | <u>QBQI.1</u> 5R7 | <u>QQBI.1</u> 5R7 | <u>QBBI.A</u> <u>16R7</u> | <u>QBBI.B1</u> 6R7 | <u>QBQI.16</u> R7 | <u>QQBI.16R</u> 7 | <u>QBBI.A1</u> 7R7 |
|--------|------------|----------------------|-----------------------|-----------------------|----------------------|----------------------|-----------------------|-----------------------|----------------------|----------------------|-----------------------|-----------------------|----------------------|----------------------|------------------------------|-----------------------|----------------------|----------------------|-----------------------|
| visual | V1 | | | | | | | | | | | | | | | | | _ | |
| RF | v2 V1 | OK | OK | OK. | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | | <u> </u> | <u> </u> | | <u> </u> |
| | V2 V1 | ОК | OK | OK. | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | | | | | |
| Endo | VI V2 | | | | | | | | | | | | | | | | | | |
| X-ray | V1 V2 | | | | | | | | | | | | | | | | | | |

| | IC | QBBI.B | QBQI.1 | QQBI.1 | QBBI.A | QBBI.B1 | QBQI.1 | QQBI.1 | QBBI.A1 | QBBI.B1 | QBQI.19 | QQBI.19 | QBBI.A | QBBI.B | <u>QBQI.2</u> | QQBI.20 | QBBI.A2 | QBBI.B21 | QBQI.21 |
|--------|------|-------------|------------|------------|-------------|------------|------------|------------|------------|------------|-----------|-----------|-------------|-------------|---------------|-----------|------------|-----------|-----------|
| | Slot | <u>17R7</u> | <u>7R7</u> | <u>7R7</u> | <u>18R7</u> | <u>8R7</u> | <u>8R7</u> | <u>8R7</u> | <u>9R7</u> | <u>9R7</u> | <u>R7</u> | <u>R7</u> | <u>20R7</u> | <u>20R7</u> | <u>0R7</u> | <u>R7</u> | <u>1R7</u> | <u>R7</u> | <u>R7</u> |
| visual | V1 | | | | | | | | | | | | | | | | | | |
| VISUAL | V2 | | | | | | | | | | | | | | | | | | |
| RF | V1 | | | | | | | | | | | | | | | | | | |
| 141 | V2 | | | | | | | | | | | | | | | | | | |
| Endo | V1 | | | | | | | | | | | | | | | | | | |
| Lindo | V2 | | | | | | | | | | | | | | | | | | |
| X-ray | V1 | | | | | | | | | | | | | | | | | | |
| n ray | V2 | | | | | | | | | | | | | | | | | | |

| | IC Slot | <u>QQBI.2</u> <u>1R7</u> | <u>QBBI.A</u> <u>22R7</u> | <u>QBBI.B</u> <u>22R7</u> | <u>QBQI.2</u> <u>2R7</u> | <u>QQBI.22</u> <u>R7</u> | <u>QBBI.A</u> <u>23R7</u> | <u>QBBI.B</u> <u>23R7</u> | <u>QBQI.23</u> <u>R7</u> | <u>QQBI.23</u> <u>R7</u> | <u>QBBI.A2</u> <u>4R7</u> | <u>QBBI.B2</u> <u>4R7</u> | <u>QBQI.2</u> <u>4R7</u> | <u>QQBI.2</u> <u>4R7</u> | <u>QBBI.A</u> <u>25R7</u> | <u>QBBI.B2</u> <u>5R7</u> | <u>QBQI.25</u> <u>R7</u> | <u>QQBI.25R</u> 7 | <u>QBBI.A2</u> <u>6R7</u> |
|--------|------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|----------------------|------------------------------|
| visual | V1 | | | | | | | | | | | | | | | | | | |
| VIBUAL | V2 | | | | | | | | | | | | | | | | | | |
| RF | V1 | | | OK | OK | ОК | OK | OK | OK | OK | OK | ОК | OK | OK | OK | OK | OK | OK | OK |
| . KE | V2 | | | OK | OK | ОК | OK | OK | OK | OK | OK | ОК | OK | OK | OK | OK | OK | OK | OK |
| Endo | V1 | | | | | | | | | | | | | | | | | OK | OK |
| Bildo | V2 | | | | | | | | | | | | | | | | | OK | OK |
| X-ray | V1 | | | | | | | | | | | | | | | | | | |
| n-ray | V2 | | | | | | | | | | | | | | | | | | |

Element length IC-IC plane [m]

| Q7R7 | 7.75 |
|-----------------|-------|
| Q8R7 | 7.75 |
| Q9R7 | 9.15 |
| Q10R7 | 7.75 |
| Q11R7 | 7.75 |
| IC Cr R7 | 13.7 |
| IC Cr L8 | 12.7 |
| Q11L8 | 7.75 |
| Q10L8 | 7.75 |
| Q9L8 | 9.15 |
| Q8L8 | 7.75 |
| Q7L8 | 10.12 |
| | |
| standard SSS | 6.47 |
| standard dipole | 15.66 |

| | | PIM | V1 | | | PIM | V2 | |
|-----------------|-----|---------------|--------|-------------|-----|---------------|--------|-------------|
| | Qty | Inspect ed | Not Ok | % Not Ok | Qty | Inspect ed | Not Ok | % Not Ok |
| IC type QQBI | 45 | 22 | 1 | 5% | 45 | 22 | 1 | 5% |
| IC type QBQI | 46 | 20 | 0 | 0% | 46 | 20 | 0 | 0% |
| IC type QBBI | 92 | 42 | 0 | 0% | 92 | 42 | 0 | 0% |
| | 183 | 84 | 1 | 1% | 183 | 84 | 1 | 1% |

| | | PIM | v1 | | | PIM | V2 | |
|-----------------|-----|---------------|--------|-------------|-----|---------------|--------|-------------|
| | Qty | Inspect ed | Not Ok | % Not Ok | Qty | Inspect ed | Not Ok | % Not Ok |
| IC type QQBI | 8 | 8 | 4 | 50% | 8 | 8 | 3 | 38% |
| IC type QQDI | 1 | 1 | 0 | 0% | 1 | 1 | 0 | 0% |
| IC type QQEI | 1 | 1 | 1 | 100% | 1 | 1 | 0 | 0% |
| IC type QBQI | 7 | 7 | 0 | 0% | 7 | 7 | 0 | 0% |
| IC type QEBI | 1 | 1 | 0 | 0% | 1 | 1 | 0 | 08 |
| IC type QBEI | 1 | 1 | 0 | 0% | 1 | 1 | 0 | 0% |
| IC type QDQI | 1 | 1 | 0 | 0% | 1 | 1 | 0 | 0% |
| IC type QEQI | 1 | 1 | 0 | 0% | 1 | 1 | 0 | 0% |
| IC type QBBI | 8 | 8 | 0 | 0% | 8 | 8 | 0 | 0% |
| | 29 | 29 | 5 | 17% | 29 | 29 | 3 | 10% |

Coordination

- Request to the activities that normally run in the shadow of IC to check with the interconnection worksite managers the feasibility of intervention and the best moment. I.E.
- 1) Intervention in 8-1 for the qbqi.19l1: request of opening requiring C' cut when we should have started the flushing
- 2) Requests for BPM on sector just being re-pumped
- 3) Intervention on He gauges:
 - Vacuum broken in 19L7
 - Several joints are not replaced casing loss of time in the pumping activities

