

**Minutes of telecon Monday 22 sept 03\_ SPIRE IIDB 3.0 draft 1**

Attendees :

SPIRE : John Delderfield , Eric Sawyer (partial)  
ASED : Horst Faas , Armin Hauser (partial)  
ESTEC : Carsten Scharmberg  
ASP : Guy Doubrovik , Bernard Collaudin (partial)

**Changes to be done versus v3.0 draft 1:**

**Sections 2, 4, 6, 8 to 10: no changes**

**Section 3:**

Page 3-4: replace QMW by University of Wales, Cardiff

**Section 5:**

- § 5.2, figure 5.2-1: replace by SPIRE Block Diagram v5.6 (mail JD dated 18/09)
- § 5.6.1, page 5-13: delete all text between “ The Spire JFET racks will also mechanically interface directly to the Optical Bench.” and § 5.6.1.1
- § 5.6.1.2, page 5-14 to 5-16: move figure 5.6-1 to beginning of § and figure 5.6-2 to previous place of figure 5.6-1.
  
- § 5.7.1.1, page 5-18: delete “The thermal ... annex 4” and put back the previous text as in v2.3 draft 5
- § 5.7.1.3 , page 5-18: Replace “cold tip” by “detector” and “290mK” by “310 mK” in the first sentence
- § 5.7.1.3, table 5.7-1:
  - Row L1, column “Recycling Cooler / Max I/F Temp”: add TBC after 5.5 K
  - Note above note (i): add “refer to Annex 4” and remove text of the 2 bullets under
  - Note (i): Add “ The current industrial design gives 0.05 W/K for the conductance of the detector strap and 1.78 K for the thermal interface”
  - Note (ii): replace “includes” by “excludes”
  - Note (iii): Add “The value of 1.85 K (and consequently 1.75 K) is not achievable with current CVV design. Discussion on a CVV design change (open tank), to achieve 1.85 K, is on going between Industry and ESA.”
- § 5.7.1.3, table 5.7-2: add “TBC and subject to negotiations” to “Same as in orbit”
  
- § 5.8.1, page 5-24: 3<sup>rd</sup> line, replace RD5 by RD20
  
- § 5.10, page 5-30: waiting for input from ASED/SPIRE. Due date 22/09
  
- § 5.10.1, page 5-31: waiting for input from ASED (describing differences between SPIRE Harness definition v1.1 and current harness). . Due date 22/09
  
- § 5.10.2, page 5-33, 4<sup>th</sup> line: delete “as the necessary grounding implementation are specified explicitly elsewhere in this document”
  
- § 5.12.1, page 5-42, end of 2d bullet add “for 4 arcmin apart” after “transition time between the 2 position”
  
- § 5.16 and all subsections: no SPIRE inputs foreseen in time for final IIDB v3.0

**Section 7 and all subsections:**

No SPIRE inputs foreseen in time for final IIDB v3.0