**UAP for collimators - Follow up discussion - MINUTES**

**Date:** 2022.06.29  
**Attendees:** Dylan Baillard, Luca Gentini, Michel Noir (Redactor), Piotr Biedrawa, Regis Seidenbinder, Wojciech Jasek

<table>
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<tr>
<th>Description</th>
<th>Responsible (if action)</th>
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<td><strong>1. UAP Components Manufacturing</strong></td>
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| Interfaces blocks between lower plate and motorized adaptor - More information is needed to manufacture these blocks. Next steps would be the followings :  
  - Design of the front part of the adaptor  
  - Definition of the coupling  
  - Review of the interface plug manufacturing drawing to release the production | P.Biedrawa  
R.Seidenbinder  
Update on 04/05/2022:  
-Interface drawing will be started for discussion by Piotr |
| **2. UAP Integration update by WP5.2** |
| -Using UAP adjustment could lead to an angle compared to the vertical axis. This angle and its impact have to be computed. | L.Gentini |
| **3. Inclinometer sensors position** |
| - Using UAP adjustment could lead to an angle compared to the vertical axis. This angle and its impact have to be computed. | L.Gentini |
| **5. WPS Support** |
| -Case of longitudinal load shall be checked  
-Screws verifications can be more detailed acc. To Eurocode 3 | Piotr  
To be used:  
-Friction coef : 0.18 +/-25% |
| -As friction value are standard values, Carlotta will perform some characterisation tests representation this specific test. Hence, detailed value could be used for tightening check. | Carlotta  
Tips from Carlotta is to take 0.18 as friction coefficient  
Uncertainty of +/-25% |
| -A collimator is currently under bake-out. To be checked with Grégory Cattenoz is temperature measurement can be performed. | Michel  
Measurement has been performed on a current collimator under bake-out.  
-Bake-out phase : Cooling down from 250 to 150°C  
-Maximal temperature recorded on the external part of the main beam pipe : 120°C  
-Maximal temperature on the GIMSA interface plate : 26°C |
| -As a global remark, everything that will be performed after fiducialisation should not create permanent deformation. To be checked if Bake-out effect can be monitored during prototyping phase. | Dylan  
François-Xavier  
Fiducialisation before and after bake-out are now planned. |
| **4. Work Progress review, AoB** |
| -To be assessed for UAP platform without motorisation if protective caps are necessary to prevent "unintentional" actuation. | Michel |
| -Support installation process to be discussed : are the 3 balls interface measurable or are additional target interfaces necessary on the upper plate to ease the measurement. | Michel  
Applicable to Serial production |
| -Set in place a procedure for UAP installation in middle position. To define which installation tolerance is necessary at installation. | Michel  
Mateusz |