**Survey of the interstice of the YE3 to YE2 yokes in CMS**

[https://edms.cern.ch/document/1751638](https://mmm.cern.ch/owa/redir.aspx?C=EYNAAVOSngCBzD_HxsXNF9B4YVqRkiYtgFQ3jXs4qbcis4KV_UnUCA..&URL=https%3a%2f%2fedms.cern.ch%2fdocument%2f1751638)

[https://edms.cern.ch/document/1751642](https://mmm.cern.ch/owa/redir.aspx?C=ZHkLKnccrkxrVn_JMvzzU2X-OzE0RiXoHaNriflGixgis4KV_UnUCA..&URL=https%3a%2f%2fedms.cern.ch%2fdocument%2f1751642)

[\\cern.ch\dfs\Support\SurveyingEng\Instruments\LaserScanner\DataSets\Experiments\CMS\161219\_RE3-1\_ZM\_Endcaps](https://mmm.cern.ch/owa/redir.aspx?C=HiLWb1SeUj9oXCnq3fvWXrc2b4BCZevySVZjeX0li48is4KV_UnUCA..&URL=file%3a%2f%2f%2f%5c%5ccern.ch%5cdfs%5cSupport%5cSurveyingEng%5cInstruments%5cLaserScanner%5cDataSets%5cExperiments%5cCMS%5c161219_RE3-1_ZM_Endcaps)

[\\cern.ch\dfs\Support\SurveyingEng\Instruments\LaserScanner\DataSets\Experiments\CMS\170110\_RE3-1\_ZP\_Endcaps](https://mmm.cern.ch/owa/redir.aspx?C=a5CLXhlRHzgQEAMHKYg-c3SNDAnmu6slTxhas4HdwWQis4KV_UnUCA..&URL=file%3a%2f%2f%2f%5c%5ccern.ch%5cdfs%5cSupport%5cSurveyingEng%5cInstruments%5cLaserScanner%5cDataSets%5cExperiments%5cCMS%5c170110_RE3-1_ZP_Endcaps)

Email 30 Jan 2017

Aurelie Maurisset

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30 January 2017 12:07

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Dear all,

Please find on EDMS the survey reports about the scanning campaign done for RE3/1 integration studies on Z+ and Z- side.

EDMS document CMS-SG-UR-0274 number 1751638, for RE-3/1 (between YE-2 and YE-3 around CSC chamber ME-3/1/13):

[https://edms.cern.ch/document/1751638](https://mmm.cern.ch/owa/redir.aspx?C=EYNAAVOSngCBzD_HxsXNF9B4YVqRkiYtgFQ3jXs4qbcis4KV_UnUCA..&URL=https%3a%2f%2fedms.cern.ch%2fdocument%2f1751638)

EDMS document CMS-SG-UR-0275 number 1751642, for RE+3/1 (between YE+2 and YE+3 around CSC chamber ME+3/1/13):

[https://edms.cern.ch/document/1751642](https://mmm.cern.ch/owa/redir.aspx?C=ZHkLKnccrkxrVn_JMvzzU2X-OzE0RiXoHaNriflGixgis4KV_UnUCA..&URL=https%3a%2f%2fedms.cern.ch%2fdocument%2f1751642)

Point clouds compatible with CATIA software are provided in meters in local yoke endcap coordinate system and are available on dfs CERN server at the following address:

For RE-3/1: [\\cern.ch\dfs\Support\SurveyingEng\Instruments\LaserScanner\DataSets\Experiments\CMS\161219\_RE3-1\_ZM\_Endcaps](https://mmm.cern.ch/owa/redir.aspx?C=HiLWb1SeUj9oXCnq3fvWXrc2b4BCZevySVZjeX0li48is4KV_UnUCA..&URL=file%3a%2f%2f%2f%5c%5ccern.ch%5cdfs%5cSupport%5cSurveyingEng%5cInstruments%5cLaserScanner%5cDataSets%5cExperiments%5cCMS%5c161219_RE3-1_ZM_Endcaps)

For RE+3/1: [\\cern.ch\dfs\Support\SurveyingEng\Instruments\LaserScanner\DataSets\Experiments\CMS\170110\_RE3-1\_ZP\_Endcaps](https://mmm.cern.ch/owa/redir.aspx?C=a5CLXhlRHzgQEAMHKYg-c3SNDAnmu6slTxhas4HdwWQis4KV_UnUCA..&URL=file%3a%2f%2f%2f%5c%5ccern.ch%5cdfs%5cSupport%5cSurveyingEng%5cInstruments%5cLaserScanner%5cDataSets%5cExperiments%5cCMS%5c170110_RE3-1_ZP_Endcaps)

**NB:** For Z- side, measurement of M12 holes position failed. For Z+ side, M12 holes position has been measured but the adapter was not in contact with YE+3 surface.

Best regards,

Aurelie