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| Traveler Title | R&D Cavity CMM Inspection Traveler |
| Traveler Abstract | This traveler collects data from the CMM and visual inspection of R&D cavities. |
| Traveler ID | SRFRD-INSP-CAV-CMM |
| Traveler Revision  | R1 |
| Traveler Author | G. CIOVATI |
| Traveler Date | 14-Jul-25 |
| NCR Informative Emails | GCIOVATI,KDAVIS |
| NCR Dispositioners | GCIOVATI,KDAVIS,DeKERLEGAND, MOSBY |
| D3 Emails | GCIOVATI,KDAVIS |
| Approval Names | G. CIOVATI | G. DeKERLEGAND | K. DAVIS | R. GENG |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| Approval Title | Author | Reviewer | Production Rep | SRF S&T Dept. Head |

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| References | List and Hyperlink all documents related to this traveler. This includes, but is not limited to: safety (THAs, SOPs, etc), drawings, procedures, and facility related documents. |
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| Revision Note |  |
| R1 | Initial release of this Traveler. |

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| Step No. | Instructions | Data Input |
| 1 | Record Project ID and any project specific instructions.Upload the drawing with the GD&T to be checked. | [[PROJSN]] <<PROJSN>>[[PROJNAME]] <<TEXT>> [[ProjInstructions]] <<COMMENT>>[[ProjFiles]] <<FILEUPLOAD>>[[DimInspDwg]] <<FILEUPLOAD>> |
| 2 | Record cavity ID or serial number. Write the condition or process that the cavity received prior to this RF inspection. | [[CAVSN]] <<CAVSN>>[[CAVNAME]] <<TEXT>>[[Comment]] <<COMMENT>> |
| 3 | Record operator(s), process date and time. | [[Operator\_SRFCVP]] <<SRFCVP>>[[DateAndTime]] <<TIMESTAMP>> |
| 4 | **Please wear nitrile gloves while handling cavities. Do not touch the inside of cavities**.Visual inspection.Visually inspect the cavity (internal and external). Record any damage in the comment box. Any stains, dents, pits, foreign material, and/or scratches thru the flanges' seal path should be noted in comment box.Inside of Beam pipe / beam tube okay?Flanges okay?Any staining or discoloration of the inner cavity surface?NOTE: Pictures should be taken regardless of cavity condition. At minimum pictures should consist of all flanges seal area and inside of beam tubes. Include pictures of other areas as requested by the PI. | [[InsideSurfaceOK]] <<YESNO>>[[FlangesOK]] <<YESNO>>[[VisualInspComment]] <<COMMENT>>[[VisualInspPhotos]] <<FILEUPLOAD>> |
| 5 | Dimensionally inspect cavity using Coordinate Measuring Machine, checking the GD&T given in the drawing provided by the PI.Upload the CMM report with all the GD&T measured. Select whether non-conformancies were found. | [[CMMReport]] <<FILEUPLOAD>>[[NonConformancies]] <<YESNO>> |