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| Traveler Title | LCLS-II-HE FPC Waveguide Kit Inspection Traveler |
| Traveler Abstract | This traveler covers the inspection of FPC waveguide kits at WS5. The inspections are conducted while parts are removed from kits during installation |
| Traveler ID | L2HE-INSP-FPCWG |
| Traveler Revision  | R1 |
| Traveler Author | huque |
| Traveler Date | 27-Jan-21 |
| NCR Informative Emails | kwilson |
| NCR Dispositioners | Huque, fischer, stribet |
| D3 Emails | Huque, fischer |
| Approval Names | Naeem Huque | Mircea Stirbet | John Fischer | Katherine Wilson |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| Approval Title | Author | Reviewer | Reviewer | Project Manager |

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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. |
| [SA-375-600-90-SOW](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-234662/SA-375-600-90-SOW.pdf) | [PF-375-600-92](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-234663/PF-375-600-92.pdf) | [PF-375-600-93](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-234664/PF-375-600-93.pdf) | [PF-375-602-38](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-234665/PF-375-602-38.pdf) | [PF-490-703-62](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-234669/PF-490-703-62.pdf) |
| [PF-375-602-44](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-234666/PF-375-602-44.pdf) | [PF-375-602-45](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-234667/PF-375-602-45.pdf) | [PF-490-703-61](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-234668/PF-490-703-61.pdf) | [SA-375-600-90](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-234670/SA-375-600-90.pdf) | [SA-375-602-49](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-234671/SA-375-602-49.pdf) |
| [PF-375-600-92\_CMM](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-235952/PF-375-600-92_CMM.pdf) | [PF-375-600-93\_CMM](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-235946/PF-375-600-93_CMM.pdf) | [PF-375-602-38\_CMM](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-235947/PF-375-602-38_CMM.pdf) | [PF-375-602-45\_CMM](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-235948/PF-375-602-45_CMM.pdf) | [PF-490-703-61\_CMM](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-235949/PF-490-703-61_CMM.pdf) |
| [PF-490-703-62\_CMM](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-235950/PF-490-703-62_CMM.pdf) | [SA-375-600-90\_CMM](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-235951/SA-375-600-90_CMM.pdf) |  |  |  |

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| Revision Note |  |
| R1 | Initial release of this Traveler. |

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| Step No. | Instructions | Data Input |
| 1 | Waveguide Kit Serial NumberCryomodule on which the kit will be installed | [[FPCWGSN]] <<FPCWGSN>>[[CMSN]] <<CMSN>> |
| 2 | Is CMM inspection done on this kit?CMM TechCMM DateMeasure dimensions marked in the following files. Upload report for each part separately. Write NCRs for each part separately.PF-375-600-92\_CMMPF-375-600-93\_CMMPF-375-602-38\_CMMPF-375-602-45\_CMMPF-490-703-61\_CMMPF-490-703-62\_CMMSA-375-600-90\_CMM | [[CMMYesNo]] <<YESNO>>[[CMMTechName]] <<SRF>>[[CMMDate]] << TIMESTAMP >>[[92CMMFile]] <<FILEUPLOAD>>[[92CMMComment]] <<COMMENT>>[[93CMMFile]] <<FILEUPLOAD>>[[93CMMComment]] <<COMMENT>>[[38CMMFile]] <<FILEUPLOAD>>[[38CMMComment]] <<COMMENT>>[[45CMMFile]] <<FILEUPLOAD>>[[45CMMComment]] <<COMMENT>>[[61CMMFile]] <<FILEUPLOAD>>[[61CMMComment]] <<COMMENT>>[[62CMMFile]] <<FILEUPLOAD>>[[62CMMComment]] <<COMMENT>>[[90CMMFile]] <<FILEUPLOAD>>[[90CMMComment]] <<COMMENT>> |
| 3 | Technician NameInspection TimeAre all components in the table below present in the kit box?If parts are missing, note in an NCR and replace the kit box. | [[TechName]] <<SRF>>[[InspTime]] <<TIMESTAMP>>[[BOMCheck]] <<YESNO>>[[BOMComment]] <<COMMENT>> |
| 4 | Check for signs of damage on any components. If found, write an NCR and upload photos | [[DamageCheck]] <<YESNO>>[[DamageComment]] <<COMMENT>>[[DamagePhoto]] <<FILEUPLOAD>> |
| 5 | Check for scratches on all sealing surfaces and (in particular) the RF contact areas on the waveguides (see red arrows below). If found, write an NCR and upload photos for scratches, gouges deeper that 1/16” should be reported in an NCR. | [[ContCheck]] <<YESNO>>[[ContComment]] <<COMMENT>>[[ContPhoto]] <<FILEUPLOAD>> |
| 6 | Check the coating on the waveguide box (SA-375-600-90) for any large scratches or regions of missing coating; upload images if found. Write NCRs for any scratches/gouges over 1.0” in length (with substrate visible) or regions of no coating greater than 0.25” in diameter. | [[CoatCheck]] <<YESNO>>[[CoatComment]] <<COMMENT>>[[CoatPhoto]] <<FILEUPLOAD>> |