Electron-Ion Collider Plan

IKC Deliverables Acceptance Plan

[Insert Date]

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REVISION HISTORY

|  |  |  |  |
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**List of Acronyms**

Alphabetical list of ALL acronyms used in the documents as well as any uncommon and common abbreviations.

|  |  |
| --- | --- |
| BNL Brookhaven National Laboratory |  |
| CCB Change Control Board |  |
| DAC Detector Advisory Committee |  |
| DOE U.S. Department of Energy |  |
| EAB EIC Advisory Board |  |
| EIEB EIC In-Kind Contribution Execution Board |  |
| ES&H Environment, Safety, and Health |  |
| ICAC Infrastructure Construction Advisory Committee |  |
| IKC In-kind Contribution |  |
| L2M Level 2 WBS Manager |  |
| L3M Level 3 WBS Manager |  |
| MAC Machine Advisory Committee |  |
| PAC Project Advisory Committee |  |
| PR Principal Representative |  |
| PD Project Director |  |
| PPEP Preliminary Project Execution Plan |  |
| PM Project Manager |  |
| QA Quality Assurance |  |
| QAP Quality Assurance Plan |  |
| SAR1 System Acceptance Review 1 |  |
| SAR2 System Acceptance Review 2 |  |
| SBMS Standards Based Management System |  |
| SEMP Systems Engineering Management Plan |  |
| SOW Scope of Work |  |
| SPC Sub-Project Coordinator |  |
| SPCL Sub-Project Coordinator Lead |  |
| SPM Sub-Project Manager |  |
| SPM Sub-Project Manager Lead |  |
| TR Technical Representative |  |
| TJNAF Thomas Jefferson National Accelerator Facility |  |
| TPC Total Project Cost |  |
| WBS Work Breakdown Structure |  |
|  |  |
|  |  |

**IKC Deliverable Acceptance Plan**

# Introduction and summary statement

This document defines the acceptance plan for the <in-kind contribution deliverables> to the EIC project as described in the <Partner Institution> EIC Project Planning Document Part 2 [ref]. Acceptance is conditional on the devices meeting all Functional and Technical (performance, interface, and safety) requirements identified in the EIC <in-kind contribution deliverables> SAR1 and SAR2 Acceptance Criteria [ref] or as determined by resolution to nonconformances as agreed upon by the EIC Project and <Partner Institution>. This plan describes the various stages of acceptance, roles and responsibilities, and nonconformance responses in alignment with the <Partner Institution> EIC Quality Assurance Plan [ref] and the EIC <relevant WBS> QA and QC Plan [5]. The final <in-kind contribution deliverables> assembly conforms to all EIC Interface Control Documents [ref].

Acceptance Criteria fall into these broad categories:

….

# Acceptance and title transfer

Acceptance and title-transfer of <in-kind contribution deliverables> from <Partner Institution> to BNL/TJNAF occurs in two primary phases: SAR1 and SAR2.

The first phase is System Acceptance Review 1 (SAR1) occurs at the end of the <in-kind contribution deliverables> assembly, after <Partner Institution> performs all acceptance testing, resolves all nonconformances, and achieves the QC requirements as defined in the EIC <in-kind contribution deliverables> Acceptance Criteria [ref].

The second acceptance phase is System Acceptance Review 2 (SAR2) that occurs, in general, after delivery to BNL/TJNAF. This phase resolves all nonconformances and achieves the QC requirements as defined in the EIC <in-kind contribution deliverables> Acceptance Criteria [ref]. This phase in general validates results of SAR1 testing.

The Transfer of Title from the Partner Institution to the EIC project occurs at the conclusion of SAR2 prior to cryomodule shipment. All <in-kind contribution deliverables> will receive SAR1 and SAR2 protocols.

# Acceptance Stages

Schedule milestones tables taken from PPD part 2 should be reported in tables for SAR1 and SAR2.

Also, responsibilities distribution should be mentioned in this section (between EIC project and Partner Institution).

## SAR1 at <Partner Institution>

Table 1: SAR1 schedule indicators.

|  |  |  |
| --- | --- | --- |
| **PPD Part 2**  **Table XX agreed Milestones with EIC Project schedule P6** | Schedule indicator codes | Description… |
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Table 2: SAR1 responsibility distributions.

|  |  |
| --- | --- |
| Parties Responsible for Execution of Acceptance Testing/Validation | Description… |
| Parties Responsible for Collation and Communication of Data | Description... |
| Parties Responsible for Review and Approval of Acceptance Data | Description… |

## SAR2 at <BNL/TJNAF>

Table 1: SAR2 schedule indicators.

|  |  |  |
| --- | --- | --- |
| **PPD Part 2**  **Table XX agreed Milestones with EIC Project schedule P6** | Schedule indicator codes | Description… |
|  |  |
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Table 2: SAR2 responsibility distributions.

|  |  |
| --- | --- |
| Parties Responsible for Execution of Acceptance Testing/Validation | Description… |
| Parties Responsible for Collation and Communication of Data | Description... |
| Parties Responsible for Review and Approval of Acceptance Data | Description… |

# SAR1 Plan – Postproduction acceptance at <partner Institution>

## SAR1 Acceptance Criteria and documentation

To be discussed with each Partner Institution and in accordance with the EIC Project and the IKC QAP.

## SAR1 Non-conformance Management

To be discussed with each Partner Institution and in accordance with the EIC Project and the IKC QAP.

### Minor non-conformances (TBD)

Text

### Moderate non-conformances (TBD)

Text

### Critical non-conformances (TBD)

Text

# SAR2 Plan – Postproduction acceptance at BNL/TJNAF

## SAR1 Acceptance Criteria and documentation

To be discussed with each Partner Institution and in accordance with the EIC Project and the IKC QAP.

## SAR2 Non-conformance Management

To be discussed with each Partner Institution and in accordance with the EIC Project and the IKC QAP.

### Minor non-conformances

Text

### Moderate non-conformances

Text

### Critical non-conformances

Text

# Non-conformance handling at <partner Institution>

The handling of non-conformances during SAR1 and SAR2 at <Partner Institution> will follow the process described in the <Partner Institution> IKC Quality Assurance Plan [ref].

# References\*

\*If references are cited, a reference section is required.

Text