**SCHEDULE E**

 **DELIVERABLE REQUIREMENTS**

In addition to the deliverable and reporting requirements identified below, the Subcontractor shall comply with any additional work, specifications, deliverables and reporting requirements identified in Schedules B, D, G, and H. The Subcontractor shall provide the following deliverable(s) to UCAR:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **DELIVERABLE** | **CLASSIFI-CATION** | **TARGET DATE** | **METHOD / LOCATION OF DELIVERY** | **DESTINATION / RECIPIENT** |
| Representations and Certifications | For Information | Initial: Subcontract’s (SubK) Effective DateUpdate: every 12 months after the Subcontract’s Effective Date | Electronic | UCAR Contract Representative |
| Project and Installation Planning Workshop | For Information | Initial: 45 days after SubK Effective DateUpdate: as in Schedule G | At UCAR Facility | UCAR Project Director, UCAR Technical Representative(s) & other UCAR Staff |
| Risk Management Plan | For Approval | Initial: 45 days after SubK Effective DateUpdate: as in Schedule G | Electronic | UCAR Project Director |
| Subcontractor’s Project Plan | For Approval | Initial: 60 days after SubK Effective DateUpdate: as in Schedule G | Electronic | UCAR Project Director & Technical Representative(s) |
| Risk Register and Risk Assessment Report | For Approval | Initial: 60 days after SubK Effective DateUpdate: as in Schedule G | Electronic | UCAR Project Director |
| Subcontractor’s Support Services Document(s) | For Approval | Initial: 60 days after SubK Effective DateUpdate: as in Schedule G | Electronic | UCAR Project Director & Technical Representative(s) |
| Hardware and software list(s), assembly diagrams, spare parts inventory, documentation | For Approval | 30 days prior to any system delivery as in Schedule B | Electronic | UCAR Project Director |
| NWSC-3 Test [HPC|PFS] System Pre-Delivery Test | For Inspection | TBD | Subcontractor Facility TBD | UCAR Project Director, Technical Representative(s), and other UCAR staff |
| NWSC-3 Test [HPC|PFS] System Delivery & Installation | **For Acceptance** | TBD - At least 60 days before initial production equipment delivery | FOB NWSC | UCAR Project Director and Technical Representative(s) |
| NWSC-3 Production [HPC|PFS] System Factory Trial | For Inspection | TBD | Subcontractor Facility TBD | UCAR Project Director, Technical Representative(s), and other UCAR staff |
| NWSC-3 Production [HPC|PFS] System Delivery & Installation | For Inspection | TBD | FOB NWSC | UCAR Project Director, Technical Representative(s), and other UCAR staff |
| NWSC-3 Production [HPC|PFS] System Post-Installation Test | For Inspection | TBD | NWSC | UCAR Project Director, Technical Representative(s), and other UCAR staff |
| NWSC-3 Production [HPC|PFS] System Acceptance Completion | **For Acceptance** | TBD | NWSC | UCAR Project Director, Contract Representative, and Technical Representative(s) |
| [additional deliverables TBD] |  |  |  |  |
| [additional deliverables TBD] |  |  |  |  |

UCAR shall evaluate the deliverables to ensure that the Subcontractor has interpreted the requirements correctly. The deliverables are classified in one of the following categories:

1. For Approval – This category includes documents that require formal approval in writing from UCAR before acceptance or intended use. A signature block for UCAR approval shall be included on the document. The use by Subcontractor of a document in the “For Approval” category before UCAR’s written approval is at Subcontractor’s risk. UCAR shall approve the document or ask for resubmission within thirty (30) calendar Days of its receipt. If not approved, UCAR shall notify the Subcontractor of those parts of the document, which cannot be approved, together with the reasons and instructions concerning re-submission of the document. If none of the above responses are received within the thirty (30), the document is approved. Any material changes to an approved document are subject to this same approval procedure for the changes.
2. For Information – This category includes routine documentation to be evaluated by UCAR to determine current program status, progress, and future planning. “For Information” documents should be sent to UCAR as soon as they are available. A formal response by UCAR is not required, but UCAR may make comments.
3. For Acceptance – This category includes all items subject to acceptance testing as identified in the above table. Acceptance testing procedures and criteria are defined in Schedules B, F and H. Items in this category require formal acceptance in writing from UCAR. Per Article 17, Acceptance, of the Subcontract’s Terms and Conditions, a Certificate of Completion shall be submitted by the Subcontractor to UCAR for all deliverables subject to Acceptance.
4. For Inspection – This category includes all other tangible items identified for delivery in Schedules B, D, E, F, G, and H of this Subcontract.

**Delivery Locations**

The F.O.B. point for all deliverables requiring physical delivery is destination.

**Hardware Delivery**

All hardware, spare parts, and maintenance equipment shall be delivered to the following location.

|  |  |
| --- | --- |
| Freight, Packages and Hand-Deliverable Items |  |
| NCAR Wyoming Supercomputing Center |  |
| 8120 Veta Drive |  |
| Cheyenne, WY 82009 |  |
|  |  |
| Primary Contact: | Backup Contact: |
| The NWSC Infrastructure Support Group Manager identified in Schedule C. | The NWSC Operations Manager identified in Schedule C. |

For the efficient receipt of deliveries, the Subcontractor shall assure that:

* In addition to the Subcontract’s UCAR Project Director identified in Schedule C, the primary contact identified above, or the backup in case of the primary’s absence, shall be informed of all deliveries to the NCAR Wyoming Supercomputing Center (NWSC) prior to such deliveries.
* Any deliveries requiring equipment or personnel to assist in unloading shall be scheduled in advance and coordinated with the UCAR Project Director and the primary contact (or backup) identified above.
* Any deliveries requiring Subcontractor or Subcontractor retained personnel to remain on-site at the NWSC shall be scheduled in advance and coordinated with the UCAR Project Director and the primary contact (or backup) identified above.

**Software and Documentation Delivery**

All software and documentation shall be delivered to one of the following locations.

|  |  |
| --- | --- |
| Freight Deliveries | Packages and Hand-Deliverable Items |
| Computational & Information Systems Laboratory | Computational & Information Systems Laboratory |
| National Center for Atmospheric Research | National Center for Atmospheric Research |
| 1850 Table Mesa Drive | 3090 Center Green Drive |
| Boulder, CO 80305 | Boulder, CO 80301 |

For the efficient receipt of deliveries, the Subcontractor should be aware of the following:

* All such deliveries should be sent to the attention of the Subcontract’s UCAR Project Director identified in Schedule C.
* The delivery/loading dock at the 1850 Table Mesa Drive location in Boulder, CO, is not staffed. The Subcontractor must coordinate any freight deliveries with the UCAR Project Director prior to such deliveries.
* The 3090 Center Green Drive location is the official shipping and receiving address for UCAR. It is staffed 7:30 AM to 4 PM Mountain Time Monday through Friday, except holidays.