**Amendments to UCAR RFP000074 (NWSC-3)**

Revision History:

Amendment #1: 27 April 2020

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# Overview

Amendments to UCAR RFP000074 (NWSC-3) subsequent to its release on Thursday, 02 April 2020, are issued through annotated revisions of the affected RFP document(s).

This Amendments document is used to compile all changes made to the RFP’s documents and to provide an explanation of those changes. This document will be revised and reposted to the NWSC-3 website (<https://www2.cisl.ucar.edu/resources/nwsc-3>) as often as necessary. UCAR will inform registered Offerors of updates, but Offerors should also periodically check the website for new updates.

## Conventions

Each Amendment is numbered sequentially and all changes to the RFP documents are annotated as follows.

* All changes are made in red.
* Each modification is annotated with an amendment version number tag in square brackets. For example: [A1] precedes changes introduced in Amendment 1 of the RFP; [A2] precedes changes introduced in Amendment 2 of the RFP, and so forth.
* Deletions are shown in red-strikethrough, e.g.: ~~this has been deleted~~
* Insertions are shown in red, e.g. this has been inserted

An example of a change, the insertion of “brown” and correction of the second “fox”, follows:

The quick [A1] brown fox jumped over the lazy [A1] ~~fox~~ dog.

# Amendment #1, 27 April 2020

The following sections summarize the changes made to files associated with the UCAR RFP000074 (NWSC-3) between its release on 02 April 2020 and this amendment (Amendment #1), issued 27 April 2020.

## Modification of the NWSC-3 RFP document

UCAR is granting a one-week extension in the due date for questions and a two-week extension in the due date for proposals; therefore, an updated RFP document is being released, namely **UCAR\_RFP000074\_NWSC-3\_RFP\_v1.1.docx**. The following subsections describe the changes from the originally released RFP document.

### Section 2.1, Proposal Due Date and Time

The paragraph is changed as follows:

Firm, fixed-price proposals are due no later than 1500 Mountain Daylight Time (MDT) on Friday, [A1] 29 ~~15~~ May 2020.

### Section 2.2, Questions Due Date and Time

The paragraph is changed as follows:

All questions concerning the requirements of this RFP must be submitted via email to the attention of the Subcontract/Procurement Manager listed below by 1700 MDT on Friday, [A1] 1 May ~~24 April~~ 2020. All questions with corresponding answers will subsequently be distributed to all prospective Offerors via the NWSC-3 RFP website [1].

### Section 2.8, Proposal Content and Format

Item (f) is removed from the list of proposal requirements; thus, proposal attachments, appendices and supplementary documentation do not contribute to the proposal page count. This section now includes the following change:

(f) [A1] ~~Page limits include attachments, appendices, and all supplementary documentation.~~

### Section 2.16, Period for Acceptance of Proposals

The paragraph is changed as follows:

The Offeror agrees to furnish any or all items at the price set forth in the Offeror’s proposal if it is accepted within [A1] one hundred eighty (180) ~~three hundred sixty (360)~~ calendar days from the proposal due date and time specified above. The Offeror may specify a longer time period.

### Section 2.23, Schedule

Table 1 is changed as follows:

|  |  |  |
| --- | --- | --- |
| Milestone | Day | Date |
| NWSC-3 RFP release date | Thursday | 2 April 2020 |
| Deadline to notify UCAR of prospective Offeror attendees for the NWSC Virtual Site Visit | Monday, due by 1700 MDT | 20 April 2020 |
| NWSC Virtual Site Visit for prospective Offerors | Friday, 0800-1200 MDT | 24 April 2020 |
| NWSC-3 RFP questions due to UCAR | Friday, due by 1700 MDT | [A1] 1 May ~~24 April~~ 2020 |
| UCAR response to NWSC-3 RFP questions distributed to prospective Offerors | Friday | [A1] 8 ~~1~~ May 2020 |
| Proposals due to UCAR | Friday, due by 1500 MDT | [A1] 29 ~~15~~ May 2020 |
| Proposal clarification question period | - | Target: May-June 2020 |
| Evaluation of proposals completed | - | Target: June-July 2020 |
| Negotiations concluded | - | Target: August -September 2020 |
| Subcontract award | - | Target: January 2021 |
| Project management meetings, installation planning, pre-delivery testing | - | Target: Beginning within 45 days of Subcontract award |
| Test system(s) delivery/installation | - | Target: September 2021 |
| Initial production equipment delivery date | - | Target: October 2021 |
| Acceptance of initial equipment | - | Target: December 2021 |
| Begin full user production | - | Target: 3 January 2022 |

## Modification of Attachment 2A, Benchmark Results Spreadsheet

In response to prospective Offeror questions 4.5, 4.6, 4.7 and 5.1 (see the NWSC-3 Communications document **UCAR\_RFP000074\_NWSC-3\_Communications\_v1.3.docx** file, available from the NWSC-3 RFP website’s “Q&As” tab), the originally-released Benchmark Results spreadsheet is being wholly replaced with a new version in Amendment #1, namely **UCAR\_RFP000074\_Attachment2A\_Benchmark\_Results\_Spreadsheet\_v1.1.xlsx**. Prospective Offerors should use this new “v1.1” spreadsheet and discard the “v1” spreadsheet. As a courtesy to prospective Offerors, UCAR has used yellow highlighting to note those cells in the spreadsheet changed from v1 in this updated version v1.1.

## Modifications to the NWSC-3 Benchmarks

As described in the **UCAR\_RFP000074\_NWSC-3\_Communications\_v1.3.docx** file, available from the NWSC-3 RFP website’s “Q&As” tab, changes have been made to the GOES and MPAS-A benchmarks or their associated instructions. Offerors should refer to that document for details.

## Modification of Attachment 2, NWSC-3 Benchmark Rules

A new NWSC-3 Benchmark Rules document, **UCAR\_RFP000074\_Attachment2\_NWSC-3\_Benchmark\_Rules\_v1.1.docx** is being released with Amendment #1. The following subsections describe the changes from the originally released Benchmark Rules.

### Change to Section 5.1.1, CLUBB

The first sentence of the second paragraph is changed as follows:

[A1] The number of processor cores on the benchmark system’s node and the ~~The~~ following timer data should be entered into the **Benchmark Results** spreadsheet:

### Change to Section 5.1.2, DART\_WRF

The first sentence of the second paragraph is changed as follows:

[A1] The number of processor cores on the benchmark system’s node and the ~~The~~ following timer data should be entered into the **Benchmark Results** spreadsheet:

### Change to Section 5.1.3, MG2

The first sentence of the second paragraph is changed as follows:

[A1] The number of processor cores on the benchmark system’s node and the ~~The~~ following timer data should be entered into the **Benchmark Results** spreadsheet:

### Change to Section 5.1.4, WACCM

The first sentence of the second paragraph is changed as follows:

[A1] The number of processor cores on the benchmark system’s node and the ~~The~~ following timer data should be entered into the **Benchmark Results** spreadsheet:

### Change to Section 5.2.1, GOES

The timer data to be entered into the spreadsheet is changed from the ‘Elapsed’ timer to the ‘Epoch’ timer. The instructions are changed as follows:

Timing information for the [A1] “Epoch” ~~“Elapsed”~~ timer in standard out

### Change to Section 5.2.1, GOES

The following sentence is added at the end of the section, as follows:

[A1] In addition, the number of accelerator coprocessors used in obtaining the best performance should be entered into the **Benchmark Results** spreadsheet.

### Change to Section 5.2.2, MPAS-A

The following change is made to the timer data example:

[A1] The “total” column for t~~T~~imer "time integration" from file "log.atmosphere.0000.out"

Example command: grep "time integ" log.atmosphere.0000.out | awk '{print $4}'

### Change to Section 5.2.2, MPAS-A

The following paragraphs are added to the MPAS-A instructions:

[A1] Please note that, along with Amendment #1 to the NWSC-3 RFP, the 30km MPAS-A namelist.atmosphere file has been updated to increase the number of timesteps in the benchmark run to 200. Offerors should download the updated **MPAS\_2020-04-27\_data.tar.gz** file from the NCAR HPC Benchmarks Globus repository.

[A1] The following timer data for the 30km case, for the two coprocessor and all coprocessor single-node runs, should be entered into the **Benchmark Results** spreadsheet:

The “total” column for timer "time integration" from file "log.atmosphere.0000.out"

Example command: grep "time integ" log.atmosphere.0000.out | awk '{print $4}'

[A1] In addition, the number of accelerator coprocessors on the benchmark system node used for the 30km single-node, all-coprocessor case should be entered into the **Benchmark Results** spreadsheet.