



STATE OF UTAH
CONTRACT AMENDMENT

AMENDMENT #4 To CONTRACT # 136199

TO BE ATTACHED TO AND MADE A PART OF the above numbered contract by and between the State of Utah, Board of Education referred to as State Entity and, American Institutes for Research, referred to as Contractor.

THE PARTIES AGREE TO AMEND THE CONTRACT AS FOLLOWS:

1. Contract period:

02/01/2013 (original starting date)
01/31/2018 (current ending date)
n/a new ending date

2. Contract amount:

\$47,272,504.00 (current contract amount)
\$ 3,380,740.00 (amendment amount)
\$50,653,244.00 new contract amount
add current amount to amendment amount

3. Other changes: (attach other sheets if necessary):

Attachment C: AIR/USOE Understandings

4. Effective Date of Amendment: 06/15/2016

All other conditions and terms in the original contract and previous amendments remain the same.

IN WITNESS WHEREOF, the parties sign and cause the amendment to be executed.

CONTRACTOR

Handwritten signature of Nilva da Silva
5/27/2016
Contractor's signature Date

Nilva da Silva; Sr. Contracts Officer
Type or Print Name and Title

STATE

Handwritten signature
6/6/16
Agency's signature Date

Handwritten signature
6/22/16
Director, Division of Purchasing Date

CONTRACT RECEIVED AND PROCESSED BY
DIVISION OF FINANCE JUN 29 2016
Division of Finance

Table with 4 columns: Name (Anna Worthington), Telephone Number (801-538-7623), Fax Number (801-538-7605), Email (anna.worthington@schools.utah.gov)

(Revision 12 February 2015)

**Amendment #4 to Contract 136199  
American Institutes for Research/ Utah State Board of Education  
May, 2016**

**AIR/USOE Understandings**

The purpose of this contract amendment is to add to the scope of work specified in the original contract and amendments between the Utah State Office of Education (USOE) and American Institutes for Research (AIR) regarding, specifically, the addition or modification of:

- Additional Math and ELA Item Development
- Setup of AIR's Benchmark/AIR360 System
- Build Grade 6-8 Science Assessments to measure the new Utah Science Standards (NUSS)

Execution of any of the tasks listed above is dependent on availability of funds. USOE reserves the right to execute any, all, or none of the elements of this contract amendment. Except as specified herein, all original and amended contract requirements, budgets, and terms & conditions remain unchanged and in effect.

Exhibit I summarizes the prices associated with the work described in this document.

**Exhibit I: Summary of prices**

	<b>FY16-17</b>	<b>FY17-18</b>
Additional Math and ELA Item Development	\$1,585,592	
Benchmark System	\$130,000	
Science Item Development		\$1,665,148
<b>Total</b>	<b>\$1,715,592</b>	<b>\$1,665,148</b>

**Additional Math and ELA Item Development**

AIR will create 873 additional items for Grades 3-8 for the Spring 2017 Field Test, above and beyond what is in the current contract. There will be 576 Math items and 297 ELA items. These will be written by AIR staff and Utah teachers.

Exhibit I outlines the additional scope and associated costs for the 2016-2017 Item Development

### Exhibit I: Item Development

Task	Scope Summary - Proposed Scope	Expected timeframe	Cost
<b>1: Reading Passages</b>	Create up to 37 additional reading passages to bring to passage review committee. Passage review meeting will be 2 days. 1 group will meet for a total of 12 participant days, and 2 AIR staff days. Includes \$100 daily stipend for participants, out of town participant travel for 33% of participants, meals and incidentals and facility costs.	June/July 2016	\$88,649
<b>2. Listening Stimuli</b>	Create up to 26 listening stimuli.	June/July 2016	\$49,747
<b>3: Item Development</b>	Item development is above and beyond the resources in the current contract. The development will be split between AIR staff development and Utah teachers for a total of 873 items (576 Math, and 297 ELA) for the field test. Assume 50% are selected response; 50% are machine-scored, constructed response. No handscored items.		
<b>3a: AIR developed Items for Spring 2017 Field Test - ELA</b>	AIR Content team to write and complete enough items to bring 140 ELA items to Field Test	August - October 2016	\$165,824
<b>3b: AIR developed Items for Spring 2017 Field Test - MATH</b>	AIR Content team to write and complete enough items to bring 269 Math items to Field Test	August - October 2016	\$331,364
<b>3c: Summer Utah Teacher Workshops and AIR review of items for Spring 2017 Field Test - ELA</b>	AIR to work with USOE to conduct two, 2-day Item Writer Workshops (one each for Grades 3-6 ELA and Grades 7-8 ELA) to yield a total of 157 items from the meetings. All Grades will have 10-11 teachers per grade. There will be 126 total participant days and 14 AIR staff days. Includes \$100 daily stipend for participants, out of town participant travel for 33% of participants, meals and incidentals and facility costs. AIR Content team to review and complete a total of 157 teacher-drafted items.	Aug-16	\$227,158

<b>3d: Summer Utah Teacher Workshops and AIR review of items for Spring 2017 Field Test - MATH</b>	AIR to work with USOE to conduct two, 2-day Item Writer Workshops (one each for Elementary Math and Secondary Math) to yield a total of 307 items from the meetings. All grades will have 10 teachers per grade. There will be 180 total participant days and 16 AIR staff days. Includes \$100 daily stipend for participants, out of town participant travel for 33% of participants, meals and incidentals and facility costs. AIR Content team to review and complete a total of 307 teacher-drafted items.	Jul-16	\$395,596
<b>4: Content Review for Spring 2017 Field Test</b>	3-day Math Content Review & 3-day ELA Content Review meetings. 2 groups for Math and 1 group for ELA meeting concurrently for a total of 54 committee member days and 9 AIR staff days. Includes \$100 daily stipend for participants, out of town participant travel for 33% of participants, meals and incidentals and facility costs.	November/December 2016	\$61,673
<b>5: Fairness (Bias) Review for Spring 2017 Field Test</b>	2-day Fairness Review meetings. 2 groups meeting concurrently for a total of 24 participant days and 4 AIR staff days. Includes \$100 daily stipend for participants, out of town participant travel for 33% of participants, meals and incidentals and facility costs.	November/December 2016	\$37,250
<b>6: Parent Review</b>	3-day Parent Review meetings. 2 groups meeting. The only costs are AIR setup and support.	Dec-16	\$6,822
<b>7: Text-To-Speech for Spring 2017 Field Test</b>	Expand scope of text-to-speech to include the additional 873 items (100% of items field tested) for Spring 2017 Field Test.	Jan-17	\$23,764
<b>8: Rubric Validation for Spring 2017 Field Tested Items</b>	2-day Math Rubric Validation and 1-day ELA Rubric Validation meetings to be held after the Spring 2017 Field Test. 3 Math groups and 1 ELA group meeting concurrently for a total of 42 participant days and 14 AIR staff days. Includes \$100 daily stipend for participants, out of town participant travel for 33% of participants, meals and incidentals and facility costs.	Jun-17	\$49,534

<b>9: Data Review for Spring 2017 Field Tested Items</b>	2-day Math Data Review and 1-day ELA Data Review meetings to be held after the Spring 2017 Field Test. 2 groups meeting for a total of 18 participant days and 3 AIR staff days. Includes \$100 daily stipend for participants, out of town participant travel for 33% of participants, meals and incidentals and facility costs.	Jul-17	\$33,174
<b>10: Braille</b>	Bralling of up to 75% of items created.	August - October 2017	\$75,840
<b>11: ASL</b>	Create ASL videos for all the listening stimuli that make it to field test.	August - October 2017	\$39,198
		<b>TOTAL</b>	<b>\$1,585,592</b>

**Timeline:**

The AIR development will be done in parallel with the Item Writer Workshops with the goal that these items will be completed and ready to be field tested in the Spring 2017 administration. This will require a compressed timeline since no decision will be made on this contract modification prior to June 2016.

**Setup of AIR's Benchmark System**

AIR will deploy a benchmark reporting system for the 2016-17 school year. This system will report on the practice tests being developed by AIR staff.

Total Cost: \$130,000

Timeline: September 2016

**Build new Grade 6-8 Assessments to measure new Utah Science Standards (NUSS)**

AIR will create 800 new Science items for Grades 6-8 for a Spring 2018 Operational Field Test, above and beyond what is in the current contract.

Exhibit 2 outlines the additional scope and associated costs for the 2017-2018 Item Development

Task	Scope Summary - Proposed Scope	Expected timeframe	Cost
<b>1: Test blueprint</b>	Blueprint creation including two day meeting with USOE to review blueprints. Meeting at AIR; no facility or stipends included, but USOE travel and hotel included.	July-16	\$24,559

<b>2: Test and Item Specifications</b>	AIR content and psychometricians to work with USOE to create the new grades 6-8 tests and item specifications.	staggered by grade starting July 2016 ending November 2016	<b>\$93,781</b>
<b>3: GAP Analysis</b>	AIR content team to review SAGE item bank to determine gaps between current items and NUSS standards; identify items to transfer to new assessments. Includes a 2 day alignment review meeting with 3 groups of 6 teachers each, for a total of 36 committee member days and 8 AIR staff days. Includes \$100 daily stipend for participants, out of town participant travel for 33% of participants, meals and incidentals, and facility costs.	July/August 2016	<b>\$43,927</b>
<b>4: Modify ITS for new assessment</b>	Build new ITS bank to match NUSS structure and move items from existing banks	Aug-16	no charge
<b>5: Item Development</b>	Item development is above and beyond the resources in the current contract. The development will be split between AIR staff development and Utah teachers. The goal is to develop enough items to bring 800 items (266 per grade) to field test. Assumes more development to accommodate higher rate of item loss at committee due to complex nature of NUSS and overdevelopment per simulation to avoid loss of simulations at committee or data review. Approximately 6-8 simulations will be created per grade with 5-7 items per simulation. The remaining items are stand-alone items. Assume 50% are selected response; 50% are machine-scored, constructed response. No handscored items.	Staggered by grade starting December 2016 ending July 2017	
<b>5a: AIR developed Items for Spring 2018 Field Test</b>	AIR Content team to write and complete a total of 400 science items for Field Test	Staggered by grade starting December 2016 ending July 2017	<b>\$568,539</b>

<b>5b: Summer Utah Teacher Workshops and AIR review of items for Spring 2018 Field Test</b>	AIR to work with USOE to conduct two five-day Item Writer Workshops to yield a total of 400 items from the meeting. Each session will have 3 groups meeting concurrently, one for each grade. There will be 300 total participant days (10 participants per grade) and 30 AIR staff days. Includes \$100 daily stipend for participants, out of town participant travel for 33% of participants, meals and incidentals and facility costs. AIR Content team to review and complete a total of 400 teacher-drafted items, and 4-7 storyboards for simulations.	Aug-16	\$688,322
<b>6: Build Simulations</b>	AIR design and software team create the 6-8 interactive simulations per grade	Staggered by grade starting October 2016 ending July 2017	\$127,352
<b>7: Content Review for Spring 2018 Field Test</b>	3-day Content Review meetings. Three groups (1 per grade) meeting concurrently for a total of 72 committee member days and 9 AIR staff days. Includes \$100 daily stipend for participants, out of town participant travel for 33% of participants, meals and incidentals and facility costs.	Staggered by grade starting May 2017 ending July 2017	\$61,829
<b>8: Fairness (Bias) Review for Spring 2018 Field Test</b>	2-day Fairness Review meetings. Three groups (1 per grade) meeting concurrently for a total of 36 participant days and 6 AIR staff days. Includes \$100 daily stipend for participants, out of town participant travel for 33% of participants, meals and incidentals and facility costs.	Staggered by grade starting May 2017 ending July 2017	\$45,468
<b>9: Parent Review</b>	3-day Parent Review meetings. 2 groups. The only costs are AIR setup and support.	Sep-16	\$11,371
		<b>TOTAL</b>	<b>\$1,665,148</b>

**Timeline:**

The AIR development will be done in parallel with the Item Writer Workshops with the goal that these items will be completed and through parent review by January 2018 so they will be ready for an operational field test in Spring 2018.