



URS CORPORATION FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: McClellan , Alabama	CTO # N/A	CHANGE REQUEST NO. 1
TO: SUPPLEMENTAL ENGINEERING EVALUATION/COST ANALYSIS WORK PLAN	LOCATION: McClellan, AL	DATE: 01/31/05
RE:		
_____ Drawing # _____ Title: _____ <u>3.3.7</u> Specific Sections: <u>Last Sentence</u> Title: <u>Positioning Systems</u> _____ Other: _____		
1. DESCRIPTION (items involved, submit sketch, if applicable): This FCR is intended to provide a Standard Operating Procedure for the conduct of survey and brush clearing operations during the installation of transect lanes for a transect based investigation.		
2. REASON FOR CHANGE The approved final work plan does not adequately address the procedure by which surveying and brush clearing will be accomplished during the Supplemental EE/CA of the Alpha Area. This FCR will add a SOP to Appendix C of the Final Work Plan.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <div style="text-align: center;"> <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule) </div>		
4. DISPOSITION: (Approval Required by Client Representative) <input type="checkbox"/> Not Approved (give reason). <input checked="" type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. <input type="checkbox"/> Considered major change – Client approval required via contract modification process		
Prepared by (Signature)		Date:
Ralph Brooks URS UXOQC <i>Ralph Brooks</i>		4/26/05
URS Project Manager (Signature)		Date:
<i>OC</i> <i>Dennis D. Red</i>		4/26/05
URS UXO-OC Manager (Signature)		Date:
<i>Plus #11</i> <i>John Kowitz</i>		5/03/05
Matrix Project Manager		Date:
<i>Richard L. Salt</i>		5/3/05

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1. PURPOSE

The purpose of this standard operating procedure (SOP) is to provide procedures and technical guidance for conventional survey and brush clearing operations during the installation of transects for a transect base investigation. It identifies general tasks, and quality control (QC) procedures to be performed by field personnel and verification points for the QC representative.

2. SCOPE

This procedure applies to the conventional survey procedure to be used during the installation of transects in the Alpha Area of McClellan Alabama for the Supplemental EE/CA.

3. MAINTENANCE

The Project Manager and SUXOS, are responsible for the maintenance of this procedure.

4. PERSONNEL REQUIREMENTS/RESPONSIBILITIES

SUXOS:

- Supervise survey operations and requirements.
- Plan daily survey operations.
- Supervise subcontractor activities.

UXOSO/UXOQCS:

- Conduct daily explosive safety briefings.
- Implement explosive safety requirements during any activities conducted in suspect MEC areas.
- Ensure compliance with the Work Plan
- Conduct routine surveillance on all definable features of work

UXO Technician II or above:

- Coordinate with the SUXOS to schedule daily survey activities,
- Brief all personnel entering the site of potential MEC and associated hazards,
- Escort survey personnel at all times in the UXO area,
- Provide UXO avoidance during survey operations,
- Escort brush clearing personnel during brush clearing operations,
- Conduct UXO avoidance during brush clearing operations.

Surveying Contractor

- Provide all equipment and personnel (except UXO Escort) for the survey operation,
- Bring survey control into the transect area,
- Establish survey control at the northern and southern end points of each transect,
- Establish known points along each transect line, traverse points,
- Resurvey any points relocated during QC of the transect.

Brush Clearing Contractor

- Provide all equipment and personnel (except UXO escort) for brush clearing operations,
- Clear all low brush and trees identified for removal by survey operations,
- Removal all green waste from the transects,
- Ensure as unhindered passage as possible is provided for the geophysical mapping teams,
-

5. TRAINING REQUIREMENTS

All site personnel involved with the survey operation will attend a site-specific orientation. The purpose of this orientation will be to review site-specific and emergency response procedures. The training will include project summary, project SSHP, SOP and administrative review, Survey data management, equipment training, logbook training, MEC hazards, emergency procedures. Training will be conducted during the preparatory phase and inspected by the UXOQC.

6. PROCEDURES

The SUXOS will brief the survey team on the requirements and plan during the preparatory phase of the planning process. The plan is for Skipper Engineering to complete the following tasks:

- Bring control into the Alpha Area North transect area.
- Establish the north and south end points of the transects on the proposed 100 Ft. interval
- Survey each transect using legs with travers points while attempting to maintain as close as possible to the proposed transect.
- Resurvey any points which are moved during the QC operation to insure line of site and 3-5 Ft. lanes.
- UXO Technician will escort the survey team using anomaly avoidance techniques.
- UXO Technician will check the immediate area prior to any stakes or nails being driven into the ground.

- Survey team will begin operations in Alpha Area South as soon as Alpha Area North nears completion.
- As transects are surveyed they will be brush cut, removing any vegetation hindering the line of sight or hindering the passage of the geophysical mapping crews. The Brush crew may remove trees which do not exceed 3 inches in diameter.

The UXOQC and SUXOS will conduct an initial phase inspection as the first transects are completed. This is to insure the work is in accordance with the work plan. Any corrections required will be identified during this initial inspection and implemented.

The UXOQC will conduct follow-up inspections will be conducted though out the survey operation.



URS CORPORATION FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: McClellan, Alabama	CTO #	CHANGE REQUEST NO. 2
TO: SUPPLEMENTAL ENGINEERING EVALUATION/COST ANALYSIS WORK PLAN	LOCATION: McCLELLAN, AL	DATE: 01/31/05
RE:		
_____ Drawing # _____ Title: _____ <u>7.0</u> Specific Sections: <u>Page 7-6</u> Title: <u>Environmental Protection Plan</u> _____ Other: _____		
1. DESCRIPTION (items involved, submit sketch, if applicable): Fish and Wildlife Service (FWS) did not inspect the area prior to brush cutting or tree removal. All personnel working in the area were briefed on the information in 7.0 and a site walk was conducted to identify Long Leaf Pine and other environmental issues. The personnel were briefed by URS UXO/Safety and Matrix QA.		
2. REASON FOR CHANGE URS UXO/Safety and Matrix QA are familiar with the Long Leaf Pine.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <div style="text-align: center;"> <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule) </div>		
4. DISPOSITION: (Approval Required by Client Representative) <input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. <input type="checkbox"/> Considered major change – Client approval required via contract modification process		
Prepared by (Signature)	Date:	
Ralph Brooks URS UXOQC <i>Ralph Brooks</i>	4/26/05	
URS Project Manager (Signature)	Date:	
<i>Lorris B. Reed</i>	4/26/05	
URS UXO- ^{QC} Manager (Signature)	Date:	
<i>Project John Howitz</i>	5/03/05	
Matrix Project Manager (Signature)	Date:	
<i>Richard J. Setken</i>	5/3/05	

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URS CORPORATION FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: McClellan, Alabama	CTO #	CHANGE REQUEST NO. 3
TO: SUPPLEMENTAL ENGINEERING EVALUATION/COST ANALYSIS WORK PLAN	LOCATION: McCLELLAN, AL	DATE: 01/31/05
RE: ____ Drawing # _____ Title: _____ <u>3.3.13.3</u> Specific Sections: <u>Page 3-39</u> Title: <u>Survey Completeness</u> ____ Other: _____		
1. DESCRIPTION (items involved, submit sketch, if applicable): Pin flags will not be placed along the transects to mark blind seed items. The QC team will place blind seed items as close as possible to the center line of the transect leg with a known distance from a leg end point. The Geophysical survey team will use conventional survey/RTS as a positioning system and pin flags will not be used to mark the track. Blind seed items will be reacquired and intrusively investigated.		
2. REASON FOR CHANGE There are no other pin flags in the tract therefore pin flags marking blind seed items would not assist the QC program or insure survey completeness. The blind seed items should be undetectable from the surface during Geophysical survey operations.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by Client Representative) ____ Not Approved (give reason). ____ Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. ____ Considered major change – Client approval required via contract modification process		
Prepared by (Signature) Ralph Brooks URS UXOQC <i>Ralph Brooks</i>	Date: 4/26/05	
URS Project Manager (Signature) <i>Louis B. [unclear]</i>	Date: 4/26/05	
URS UXOQC Manager (Signature) <i>Prosper [unclear]</i>	Date: 5/03/05	
Matrix Project Manager (Signature) <i>Richard G. Sathkin</i>	Date: 5/3/05	

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URS CORPORATION FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: McClellan, Alabama	CTO #	CHANGE REQUEST NO. 4
TO: SUPPLEMENTAL ENGINEERING EVALUATION/COST ANALYSIS WORK PLAN	LOCATION: McCLELLAN, AL	DATE: 04/26/05
RE:		
_____ Drawing # _____ Title: _____ <u>3.3.12</u> Specific Sections: <u>Page 3-36</u> Title: <u>Anomaly Reacquisition</u> _____ Other: _____		
1. DESCRIPTION (items involved, submit sketch, if applicable): Tremble GPS was not used during data collection. The RTS conventional survey methods were used during data collection therefore the RTS conventional survey methods will be used during reacquisition.		
2. REASON FOR CHANGE GPS survey equipment would not work during the collection process do to heavy brush in the area. The same survey method used during collection will be used during reacquisition.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <div style="text-align: center;"> <input checked="" type="checkbox"/> Minor Change <input type="checkbox"/> Major Change (Impacts Cost, Schedule) </div>		
4. DISPOSITION: (Approval Required by Client Representative) <input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. <input type="checkbox"/> Considered major change – Client approval required via contract modification process		
Prepared by (Signature)	<i>Ralph Brooks</i>	Date:
Ralph Brooks URS UXOQC		4/26/05
URS Project Manager (Signature)	<i>Dennis M. Red</i>	Date:
<i>QC</i>		4/26/05
URS UXOQC Manager (Signature)	<i>John Kowalsky</i>	Date:
<i>PROJECT</i>		5/03/05
Matrix Project Manager (Signature)	<i>Richard Sath</i>	Date:
		5/3/05

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URS CORPORATION FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: SUPPLEMENTAL EE/CA ALPHA AREA, McCLELLAN	CTO #	CHANGE REQUEST NO. 2005-00/5 <i>8575</i>
TO: Richard Satkin Matrix Environmental Services L.L.C & Anniston-Calhoun County McClellan Development Joint Powers Authority 180 Headquarters Drive, Bldg. 61 Anniston, AL 36205	LOCATION: ANNISTON, ALABAMA	DATE: May 3, 2005
RE: _____ Drawing # _____ Title: _____ _____ Specific Sections: _____ Title: _____ <input checked="" type="checkbox"/> Other: <u>Project Work Plan Section 3.3.13.1 Geophysical Instrument QC</u>		
1. DESCRIPTION (items involved, submit sketch, if applicable): Request changing the selection criteria for the Quality Control lots from a distance criteria of 0.25 miles to a criteria based on data files. An individual data file consists of geophysical data from a single day of data collection for a single instrument. The files can contain data from multiple transect lines but generally represent a composite surveyed distance in the range of 0.25 miles. The selection based on data files in place of the 0.25 mile distance criteria allows other criteria including data collection system, survey date, presence of seed items and lag/latency issues to be more easily weighted in the QC lot selection process.		
2. REASON FOR CHANGE The objective of this change is to simplify the designation of the Quality Control lots without adversely impacting the statistically analysis. The change also mitigates potential confusion related to naming of the 0.25 mile sections of the transects selected.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <input checked="" type="checkbox"/> Minor Change _____ Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by Client Representative) <input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. <input type="checkbox"/> Considered major change – Client approval required via contract modification process		
Prepared by (Signature) 	Date: May 3, 2005	
URS Project Manager 	Date: 5/3/05	
URS Project QA Manager	Date:	
Matrix Project Manager 	Date: 5/3/05	

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URS CORPORATION FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: McClellan, Alabama	CTO #	CHANGE REQUEST NO. 6
TO: SUPPLEMENTAL ENGINEERING EVALUATION/COST ANALYSIS WORK PLAN	LOCATION: McCLELLAN, AL	DATE: 05/03/05
RE:		
_____ Drawing # _____ Title: _____ 3.7.1 Specific Sections: Page 3-49 Title: General Methodology _____ Other: _____		
1. DESCRIPTION (items involved, submit sketch, if applicable): During target anomaly reacquisition, the last sentence of the second paragraph requires the survey team to use precision surveying techniques to survey in the yellow pin flags. The change would delete this requirement. The reacquisition team will continue to measure the off-set between the white pin flag and the yellow pin flag using a standard tape measure and record that measurement on the reacquisition sheet...		
2. REASON FOR CHANGE During the first three days of reacquisition, the anomaly off-sets were within the required range of three feet radius. It was agreed that the second survey was an unnecessary step and could be eliminated without changing the ability to investigate the designated target.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <div style="text-align: center;"> <input checked="" type="checkbox"/> Minor Change _____ Major Change (Impacts Cost, Schedule) </div>		
4. DISPOSITION: (Approval Required by Client Representative) <input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as -built records. <input type="checkbox"/> Considered major change – Client approval required via contract modification process		
Prepared by (Signature)	<i>Ralph Brooks</i>	Date:
Ralph Brooks URS UXOQC URS Project Manager (Signature)		5/03/05
URS UXO QC Manager (Signature)	<i>John Henry</i>	Date:
<i>John Henry</i>		5/3/05
Matrix Project Manager (Signature)	<i>Richard Holt</i>	Date:
<i>Richard Holt</i>		5/3/05

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URS CORPORATION FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: McClellan, Alabama	CTO #	CHANGE REQUEST NO. 7
TO: SUPPLEMENTAL ENGINEERING EVALUATION/COST ANALYSIS WORK PLAN	LOCATION: McCLELLAN, AL	DATE: 05/18/05
RE: _____ Drawing # _____ Title: _____ <u>3.7.1</u> Specific Sections: <u>Page 3-51</u> Title: <u>General Methodology</u> <u>Last two Paragraphs.</u> Other: _____		
1. DESCRIPTION (items involved, submit sketch, if applicable): A. During target anomaly intrusive investigation, multiple MEC-related scrap items associated with the same target anomaly is documented individually and weighed. Delete the requirement to weight multiple MEC-related scrap items associated with the same target anomaly. B. The location of each MEC item will be precision surveyed. Delete the requirement for precision survey of the location of MC items.		
2. REASON FOR CHANGE A. There is nothing gained from knowing the weight of multiple MEC-related scrap items associated with the same target anomaly. B. The location of the original target is precision surveyed. The yellow flag is relocated with the EM61 to the highest Mv reading and that location is recorded. The location of the MEC item is known using this information.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <input checked="" type="checkbox"/> Minor Change _____ Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by Client Representative) _____ Not Approved (give reason). _____ Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. _____ Considered major change – Client approval required via contract modification process		
Prepared by (Signature)		Date:
Ralph Brooks URS UXOQC <i>Ralph Brooks</i>		5/18/05
URS Project Manager (Signature)		Date:
<i>John Hawk</i>		5/18/05
URS UXO QC Manager (Signature)		Date:
<i>Salvador Bon</i>		5/26/05
Matrix Project Manager (Signature)		Date:
<i>Richard Hall</i>		5/18/05

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URS CORPORATION FIELD CHANGE REQUEST (FCR)

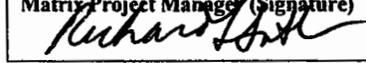
CONTRACT TASK ORDER NAME: McClellan, Alabama	CTO #	CHANGE REQUEST NO. 8
TO: SUPPLEMENTAL ENGINEERING EVALUATION/COST ANALYSIS WORK PLAN	LOCATION: McCLELLAN, AL	DATE: 05/25/05
RE: _____ Drawing # _____ Title: _____ <u>3.3.5.1</u> Specific Sections: <u>Page 3-24</u> Title: <u>Topography</u> _____ Other: _____		
1. DESCRIPTION (items involved, submit sketch, if applicable): Generally, an area with a slope greater than 40 degrees will be considered inaccessible. Delete this sentence and replace with: The field team leader will be solely responsible for determining whether an area is inaccessible due to site conditions.		
2. REASON FOR CHANGE Slope conditions are only one reason for an area being inaccessible, other conditions may include grubbed vegetation, gully's, large rocks, streams and swamp areas swelled by prior rain, slopes less than 40 degrees made unsafe by weather conditions, erosion, man made obstacles, and other unknown conditions that arise as the team tries to traverse using the EM-61 in the skirt mode that do not allow passage. Using the EM-61 in the skirt mode involves using 2 people connected by a cable. This precludes separation and causes areas that the team can get through. At this time replacement EM-61's are in very short supply. So the teams must use extreme care not to damage the equipment which would cause down time for the project. The field team leaders are experienced in the use of the 61 and are the best judges of what may or may not cause injuries to personnel or damage to the equipment.		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable): <div style="text-align: center;"> <input checked="" type="checkbox"/> Minor Change _____ Major Change (Impacts Cost, Schedule) </div>		
4. DISPOSITION: (Approval Required by Client Representative) _____ Not Approved (give reason). _____ Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. _____ Considered major change – Client approval required via contract modification process		
Prepared by (Signature) 	Date: 5/25/05	
Robert Chapman URS UXOQC URS Project Manager (Signature)	Date: 5/25/05	
	Date: 5/26/05	
URS UXO QC Manager (Signature) 	Date: 5/26/05	
Matrix Project Manager (Signature) 	Date: 5/26/05	

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URS CORPORATION FIELD CHANGE REQUEST (FCR)

CONTRACT TASK ORDER NAME: McClellan, Alabama	CTO #	CHANGE REQUEST NO. 9
TO: SUPPLEMENTAL ENGINEERING EVALUATION/COST ANALYSIS WORK PLAN	LOCATION: McCLELLAN, AL	DATE: 05/25/05
RE:		
<p>_____ Drawing # _____ Title: _____</p> <p><u>3.3.13.6</u> Specific Sections: <u>Page 3-42</u> Title: <u>Transect Survey Remapping</u></p> <p>_____ Other: _____</p>		
1. DESCRIPTION (items involved, submit sketch, if applicable): Delete entire paragraph.		
2. REASON FOR CHANGE: See Attached Sheet		
3. RECOMMENDED DISPOSITION (Submit sketch, if applicable):		
<input type="checkbox"/> Minor Change <input checked="" type="checkbox"/> Major Change (Impacts Cost, Schedule)		
4. DISPOSITION: (Approval Required by Client Representative)		
<input type="checkbox"/> Not Approved (give reason). <input type="checkbox"/> Considered minor change – APPROVED per recommended disposition – Documents will not be formally revised. Field office to maintain as –built records. <input type="checkbox"/> Considered major change – Client approval required via contract modification process		
Prepared by (Signature)	Date: 5/25/05	
Robert Chapman URS UXOQC		
URS Project Manager (Signature)	Date:	
	5/31/05	
URS UXO QC Manager (Signature)	Date:	
 MATRIX	5/31/05	
Matrix Project Manager (Signature)	Date:	
	5/31/05	

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The EE/CA is utilized as a tool to determine if future follow on work is required in an area. The EE/CA is strictly an investigation and is not used to perform a removal action, as such at this time there is no need to conduct the geophysical remapping of 30% of the transects as called out in the work plan. The following list specific reasons for the elimination of the 30% remapping.

1. This is an investigation not a removal, therefore proving that the area is clear is not a requirement, also not all target anomalies on the transects have been chosen for intrusive investigation and would remain during the remapping.
2. When intrusive investigations are conducted on anomalies which contain geologic concentrations of ferrous material not all of the ferrous concentrations is removed. Once the intrusive investigation has determined that the anomaly was the result of a geologic ferrous concentration that investigation is stopped and the hole is backfilled with the spoils from the excavation. That means the ferrous concentrations will remain and be detected on the subsequent remapping, possibly leading to false assumption that the anomaly was never investigated or the investigation was not completed. Also it is possible that while excavating the anomaly the concentration of geologic ferrous material may be brought closer to the surface. This may make an anomaly which was first mapped with only a 5 mV response give a reading greater than the initial mapped response. This also may cause confusion as to the completeness of the excavation.
3. Duplicating the exact lines walked during the initial mapping of the transects is not possible. The biodegradable paint which was used during the initial mapping has since worn away. This could possibly result in different anomalies being detected and the false assumption that the original data was not accurate.
4. Several of the anomalies were discovered to be man made features and as such different anomalies were chosen for investigation to replace them. No effort was made to remove these items which would result in additional confusion when comparing the 2 mapping efforts. These man made features include underground bunkers, fence lines and culverts.