

Course: 413-12T10

Version: 1

Delivery Group: A **Phase:** 2

Course Name: Technical Engineer

Management Category: Resident

Preparation Date: 22 Jul 2010

Status: Commandant Approved

Optimum Class Size: 14

Program of Instruction Cover Page

Total Computed Academic Hours: 137.8

Fiscal Year: 2014

Fiscal Year Quarter: 1

Status Change Date: 28 Feb 2011

Approval Date:

Approval Authority: BRYAN G. WATSON
Brigadier General, USA
Commandant

MACOM Validation Date:

Manpower Validation Date:

Course Supersession Information: This POI supersedes POI 413-21T10, Version 002, dated 01 May 2009.

Phase Supersession Information: This POI supersedes POI 413-21T10, Phase 1, Version 002, dated 01 May 2009.

Foreign Disclosure: FD1. The materials contained in this course have been reviewed by the course developers in coordination with the Fort Leonard Wood, MO/MSCoE foreign disclosure authority. This course is releasable to students from all requesting foreign countries without restrictions.

Course: 413-12T10

Version: 1

Delivery Group: A **Phase:** 2

Course Name: Technical Engineer

Management Category: Resident

Preparation Date: 22 Jul 2010

Status: Draft

Optimum Class Size: 14

Preface Page

Fiscal Year: 2014

Fiscal Year Quarter: 1

Status: Draft

Status Change Date: 28 Feb 2011

Training Location(s): (052) Engineer School

Specialty: E12T10 Technical Engineer

Supporting ITP: 12T Technical Engineer

TATS-Course: Yes

Purpose: Provides training for Army, Air Force, Navy, and Marine Corps personnel with novice level knowledge of construction surveying and drafting; Army and Navy personnel with knowledge of materials quality testing; Army personnel with knowledge of geodetic surveying.

Course Scope: The 12T10 Technical Engineer Course is comprised of four phases encompassing five modules of MOS related training conducted at Fort Leonard Wood, MO. Phase 1 contains two modules; Drafting and Surveying. Phase 2 contains one module; Surveying. Phase 3 contains one module; Materials Testing. Phase 4 contains two modules; Geodetic and Airfield Surveying, and a Field Training Exercise (FTX).

- o PHASE 1: 160.0 academic hours of Computer Aided Drafting (CAD) that includes architectural graphics, architectural/utility drawings, civil drawings, and drawing production/reproduction; 94.2 hours of construction surveying that consists of differential leveling and establishing project control.
- o PHASE 2: 137.8 academic hours of construction surveying that includes construction site data collection, construction support surveying, and road, building, and utility stakeout using both optical and Global Positioning System (GPS) survey systems.
- o PHASE 2: 160.0 academic hours of soils and concrete testing that includes fresh and hardened concrete testing, laboratory soils testing, and field soils testing used for site evaluation, design, construction, and quality control/assurance of military construction operations.
- o PHASE 3: 96.0 academic hours of geodetic surveying that includes the use of geodetic survey software, airfield/heliport and navigational aid (NavAid) surveys, and installation and recovery of permanent survey control stations. A 72 hour Field Training Exercise (FTX) will be conducted to culminate all training received.

Phase Scope: Army, Navy, and Marine Corps personnel attend this phase. This phase provides training in construction surveying that includes construction site data collection, construction support surveying, and road, building, and utility stakeout using both optical and Global Positioning System (GPS) survey systems.

Course Prerequisites: Army, Navy, Air Force, and Marine Corps personnel must meet the prerequisites

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outlined in their service unique regulatory guidelines for classification training.

Phase Prerequisites: Completion of course 413-12T10, Phase 1. This prerequisite may be waived by Commander, USAES or designated representative.

Special Information:

Security Clearance: Unclassified

Course Length— Weeks: 3 **Days:** 3 **Hours:** 138

Computed ICH: 294.5

Adjusted TOMA ICH: 0.0

Adjusted MRAD ICH: 0.0

Class Sizes – Optimum: 14 **Minimum:** 3 **Maximum:** 14

Academic Hours	<u>Computed</u>	<u>Adjusted</u>
Unique:	137.8	
Shared:		
Total:		

Estimated Flight Hours: 0

Validation Code:

Manpower Estimate: 0

Hours Developed by Others: 0

Hours Conducted by Others: 0

Course Type Code: 06 Enlisted Mos (RSI)

ITRO Code: C Consolidated

Contract Code: N Not a Contract Course

MACOM Validation Date:

Manpower Validation Date:

Training Start Date: 01 Oct 2013

	Proponent
Design and Development:	Engineer School (052)
Instructor Provided Support:	Engineer School (052)
Army Course Proponent:	Engineer School (052)
Training Evaluation Proponent:	Engineer School (052)

Course Remarks:

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Delivery Group: A **Phase:** 2

Course Name: Technical Engineer

Management Category: Resident

Preparation Date: 22 Jul 2010

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Optimum Class Size: 14

Phase Remarks: Army, Navy, and Marine Corps personnel attend this phase.

MRAD Remarks:

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Management Category: Resident
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Version: 1 **Delivery Group:** A **Phase:** 2
Preparation Date: 22 Jul 2010
Optimum Class Size: 14

Course Summary

Academic Time:

Module: B / 001	137.8
Title: Surveying	

Total:	137.8

Administrative Time:

None.	

Total:	0.0

Grand Total: 137.8

Academic Hours by Security Classification:

Unclassified	137.8

Total:	137.8

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Management Category: Resident
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Version: 1 **Delivery Group:** A **Phase:** 2
Preparation Date: 22 Jul 2010
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Training Module

Module: B / 001

Title: Surveying

Purpose: Provides training in construction surveying that includes construction site data collection, construction support surveying, and road, building, and utility stakeout using both optical and Global Positioning System (GPS) survey systems.

Remarks: Army, Navy, and Marine Corps personnel attend this module.

Technique(s) of Delivery:	Hours
Large Group Instruction (GP)	137.8
Total Hours (Admin & Academic)	137.8

Lesson Id / Version	Technique of Delivery	Hours	Method of Instruction
12T10B05 / 1	(GP) Large Group Instruction		
	Introduction:	0.1	(CO) Conference / Discussion
		2.0	(CO) Conference / Discussion
		15.0	(DM) Demonstration
		32.6	(PE) Practical Exercise (Performance)
	Summary:	0.1	(CO) Conference / Discussion
	Total:	49.8	

Security Clearance: Unclassified

Lesson Title: Perform a Preliminary Site Survey

Action Text: Perform a Preliminary Site Survey

Condition: In a field/classroom environment, given: an Automated Integrated Survey Instrument (AIS) with accessories, R8 GPS Survey System, FM 5-233, pencil, printer with paper, and a computer loaded with Terramodel and Trimble Business Center software.

Standard: Perform a preliminary site survey ensuring that enough survey data is acquired to fully depict all terrain features and manmade objects of a given area. Download the data to a computer loaded with Terramodel and make required adjustments to the file and plot the data.

Remarks: The following software will need to be downloaded prior to the instruction of this lesson.
 Trimble Data Transfer: <http://www.trimble.com/datatransfer.shtml>, Rinex:
http://www.trimble.com/trimblerinex_ts.asp.

Lesson Id / Version	Technique of Delivery	Hours	Method of Instruction
12T10B06 / 1	(GP) Large Group Instruction		
	Introduction:	0.1	(CO) Conference / Discussion
		7.0	(TE) Test

Course: 413-12T10

Version: 1

Delivery Group: A Phase: 2

Course Name: Technical Engineer

Management Category: Resident

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<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10B06 / 1	(GP) Large Group Instruction	0.8	(TR) Test Review
	Summary:	0.1	(CO) Conference / Discussion
	Total:	8.0	

Security Clearance: Unclassified

Lesson Title: Perform a Preliminary Site Survey Exam

Action Text: Perform a Preliminary Site Survey Exam

Condition: In a field/classroom environment, given: an Automated Integrated Survey Instrument (AIS) with accessories, R8 GPS Survey System, FM 5-233, pencil, printer with paper, and a computer loaded with Terramodel and Trimble Business Center software.

Standard: Perform a preliminary site survey ensuring that enough survey data is acquired to fully depict all terrain features and manmade objects of a given area. Down load the data to a computer loaded with Terramodel and make required adjustments to the file and plot the data. Exam will be completed within 7 hours.

Remarks: The following software will need to be downloaded prior to the instruction of this lesson.
Trimble Data Transfer: <http://www.trimble.com/datatransfer.shtml>, Rinex:
http://www.trimble.com/trimblerinex_ts.asp.

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10B07 / 1	(GP) Large Group Instruction		
	Introduction:	0.1	(CO) Conference / Discussion
		1.8	(CO) Conference / Discussion
		5.8	(DM) Demonstration
		19.7	(PE) Practical Exercise (Performance)
	Summary:	0.1	(CO) Conference / Discussion
	Total:	27.5	

Security Clearance: Unclassified

Lesson Title: Produce Civil Engineering Drawings

Action Text: Produce Civil Engineering Drawings

Condition: In a classroom environment, given: a computer loaded with Terramodel, processed survey data, pencil, and student guide with design criteria.

Standard: Produce civil engineering drawings according to design criteria.

Remarks: The following software will need to be downloaded prior to the instruction of this lesson.
Trimble Data Transfer: <http://www.trimble.com/datatransfer.shtml>, Rinex:
http://www.trimble.com/trimblerinex_ts.asp.

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Management Category: Resident

Preparation Date: 22 Jul 2010

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Optimum Class Size: 14

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10B08 / 1	(GP) Large Group Instruction		
	Introduction:	0.1	(CO) Conference / Discussion
		4.0	(TE) Test
		0.3	(TR) Test Review
	Summary:	0.1	(CO) Conference / Discussion
	Total:	4.5	

Security Clearance: Unclassified

Lesson Title: Produce Civil Engineering Drawings Exam

Action Text: Produce Civil Engineering Drawings Exam

Condition: In a classroom environment, given: a computer loaded with Terramodel, processed survey data, student guide, pencil, and exam booklet with design criteria.

Standard: Produce civil engineering drawings according to design criteria within 4 hours.

Remarks: The following software will need to be downloaded prior to the instruction of this lesson.
Trimble Data Transfer: <http://www.trimble.com/datatransfer.shtml>, Rinex:
http://www.trimble.com/trimblerinex_ts.asp.

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10B09 / 1	(GP) Large Group Instruction		
	Introduction:	0.1	(CO) Conference / Discussion
		6.1	(DM) Demonstration
		21.2	(PE) Practical Exercise (Performance)
	Summary:	0.1	(CO) Conference / Discussion
	Total:	27.5	

Security Clearance: Unclassified

Lesson Title: Perform Layout of a Horizontal Construction Project

Action Text: Perform Layout of a Horizontal Construction Project

Condition: In a field environment, given: an Automated Integrated Survey Instrument (AIS) with accessories, R8 GPS Survey System, a computer loaded with Terramodel, a printer with paper, stakeout data, survey stakes, a hammer, a marker, pencil, and FM 5-233.

Standard: Perform layout of a horizontal construction project to less than 0.1 foot horizontally and vertically, and mark stakes in accordance with Chapter 2, FM 5-233.

Remarks: The following software will need to be downloaded prior to the instruction of this lesson.
Trimble Data Transfer: <http://www.trimble.com/datatransfer.shtml>, Rinex:
http://www.trimble.com/trimblerinex_ts.asp.

Course: 413-12T10

Version: 1

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Course Name: Technical Engineer

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Status: Draft

Optimum Class Size: 14

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10B10 / 1	(GP) Large Group Instruction		
	Introduction:	0.1	(CO) Conference / Discussion
		4.0	(TE) Test
		0.3	(TR) Test Review
	Summary:	0.1	(CO) Conference / Discussion
	Total:	4.5	

Security Clearance: Unclassified

Lesson Title: Perform Layout of a Horizontal Construction Project Exam

Action Text: Perform Layout of a Horizontal Construction Project Exam

Condition: In a field environment, given: an Automated Integrated Survey Instrument (AIS) with accessories, R8 GPS Survey System, a computer loaded with Terramodel, a printer with paper, stakeout data, survey stakes, a hammer, a marker, pencil, FM 5-233 and exam booklet.

Standard: Perform layout of a horizontal construction project to less than 0.1 foot horizontally and vertically, and mark stakes in accordance with Chapter 2, FM 5-233 within 4 hours.

Remarks: The following software will need to be downloaded prior to the instruction of this lesson.
Trimble Data Transfer: <http://www.trimble.com/datatransfer.shtml>, Rinex: http://www.trimble.com/trimblerinex_ts.asp.

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10B11 / 1	(GP) Large Group Instruction		
	Introduction:	0.1	(CO) Conference / Discussion
		1.2	(CO) Conference / Discussion
		3.2	(DM) Demonstration
		2.0	(P3) Practical Exercise (Written)
		7.3	(PE) Practical Exercise (Performance)
	Summary:	0.1	(CO) Conference / Discussion
	Total:	13.9	

Security Clearance: Unclassified

Lesson Title: Perform Building and Utility Layout

Action Text: Perform Building and Utility Layout

Condition: In a field environment, given: an Automated Integrated Survey Instrument (AIS) with accessories, auto level, tripod, a Philadelphia rod, rod level, survey stakes, dimensional lumber, nails, sledge hammer, 16oz hammer, string line, calculator, student guide with design information, pencil, and support equipment.

Standard: Perform layout of a building site to less than 0.02 feet diagonally and less than 0.1 foot vertically and of a sewer line with invert elevations less than 0.1 foot vertically.

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Version: 1

Delivery Group: A **Phase:** 2

Course Name: Technical Engineer

Management Category: Resident

Preparation Date: 22 Jul 2010

Status: Draft

Optimum Class Size: 14

Remarks: The following software will need to be downloaded prior to the instruction of this lesson.
Trimble Data Transfer: <http://www.trimble.com/datatransfer.shtml>, Rinex:
http://www.trimble.com/trimblerinex_ts.asp.

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10B12 / 1	(GP) Large Group Instruction		
	Introduction:	0.1	(CO) Conference / Discussion
		1.6	(TE) Test
		0.3	(TR) Test Review
	Summary:	0.1	(CO) Conference / Discussion
	<u>Total:</u>	<u>2.1</u>	

Security Clearance: Unclassified

Lesson Title: Perform Building and Utility Layout Exam

Action Text: Perform Building and Utility Layout Exam

Condition: In a field environment, given: an Automated Integrated Survey Instrument (AIS) with accessories, auto level, tripod, a Philadelphia rod, rod level, survey stakes, dimensional lumber, nails, sledge hammer, 16oz hammer, string line, calculator, pencil, and exam booklet with design information and support equipment.

Standard: Perform layout of a building site by achieving a minimum of 70% on the written exam within 1 hour and 30 minutes.

Remarks: The following software will need to be downloaded prior to the instruction of this lesson.
Trimble Data Transfer: <http://www.trimble.com/datatransfer.shtml>, Rinex:
http://www.trimble.com/trimblerinex_ts.asp.

Course: 413-12T10

Version: 1

Delivery Group: A **Phase:** 2

Course Name: Technical Engineer

Management Category: Resident

Preparation Date: 22 Jul 2010

Status: Draft

Optimum Class Size: 14

Mandatory Training Module

None.

Course: 413-12T10
Course Name: Technical Engineer
Management Category: Resident
Status: Draft

Version: 1 **Delivery Group:** A **Phase:** 2
Preparation Date: 22 Jul 2010
Optimum Class Size: 14

Examination Module

Module: B / 001

Title: Surveying

Purpose: Provides training in construction surveying that includes construction site data collection, construction support surveying, and road, building, and utility stakeout using both optical and Global Positioning System (GPS) survey systems.

Remarks: Army, Navy, and Marine Corps personnel attend this module.

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10B06 / 1	(GP) Large Group Instruction	7.0	(TE) Test
Total:		7.0	

Security Clearance for Exam/Test: Unclassified

Lesson Title: Perform a Preliminary Site Survey Exam

Action Text: Perform a Preliminary Site Survey Exam

Condition: In a field/classroom environment, given: an Automated Integrated Survey Instrument (AISI) with accessories, R8 GPS Survey System, FM 5-233, pencil, printer with paper, and a computer loaded with Terramodel and Trimble Business Center software.

Standard: Perform a preliminary site survey ensuring that enough survey data is acquired to fully depict all terrain features and manmade objects of a given area. Download the data to a computer loaded with Terramodel and make required adjustments to the file and plot the data. Exam will be completed within 7 hours.

Remarks: The following software will need to be downloaded prior to the instruction of this lesson.
Trimble Data Transfer: <http://www.trimble.com/datatransfer.shtml>, Rinex:
http://www.trimble.com/trimblerinex_ts.asp.

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10B08 / 1	(GP) Large Group Instruction	4.0	(TE) Test
Total:		4.0	

Security Clearance for Exam/Test: Unclassified

Lesson Title: Produce Civil Engineering Drawings Exam

Action Text: Produce Civil Engineering Drawings Exam

Condition: In a classroom environment, given: a computer loaded with Terramodel, processed survey data, student guide, pencil, and exam booklet with design criteria.

Standard: Produce civil engineering drawings according to design criteria within 4 hours.

Remarks: The following software will need to be downloaded prior to the instruction of this lesson.
Trimble Data Transfer: <http://www.trimble.com/datatransfer.shtml>, Rinex:
http://www.trimble.com/trimblerinex_ts.asp.

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<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10B10 / 1	(GP) Large Group Instruction	4.0	(TE) Test
Total:		4.0	

Security Clearance for Exam/Test: Unclassified

Lesson Title: Perform Layout of a Horizontal Construction Project Exam

Action Text: Perform Layout of a Horizontal Construction Project Exam

Condition: In a field environment, given: an Automated Integrated Survey Instrument (AIS) with accessories, R8 GPS Survey System, a computer loaded with Terramodel, a printer with paper, stakeout data, survey stakes, a hammer, a marker, pencil, FM 5-233 and exam booklet.

Standard: Perform layout of a horizontal construction project to less than 0.1 foot horizontally and vertically, and mark stakes in accordance with Chapter 2, FM 5-233 within 4 hours.

Remarks: The following software will need to be downloaded prior to the instruction of this lesson.
Trimble Data Transfer: <http://www.trimble.com/datatransfer.shtml>, Rinex:
http://www.trimble.com/trimblerinex_ts.asp.

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10B12 / 1	(GP) Large Group Instruction	1.6	(TE) Test
Total:		1.6	

Security Clearance for Exam/Test: Unclassified

Lesson Title: Perform Building and Utility Layout Exam

Action Text: Perform Building and Utility Layout Exam

Condition: In a field environment, given: an Automated Integrated Survey Instrument (AIS) with accessories, auto level, tripod, a Philadelphia rod, rod level, survey stakes, dimensional lumber, nails, sledge hammer, 16oz hammer, string line, calculator, pencil, and exam booklet with design information and support equipment.

Standard: Perform layout of a building site by achieving a minimum of 70% on the written exam within 1 hour and 30 minutes.

Remarks: The following software will need to be downloaded prior to the instruction of this lesson.
Trimble Data Transfer: <http://www.trimble.com/datatransfer.shtml>, Rinex:
http://www.trimble.com/trimblerinex_ts.asp.

Course: 413-12T10

Version: 1

Delivery Group: A Phase: 2

Course Name: Technical Engineer

Management Category: Resident

Preparation Date: 22 Jul 2010

Status: Draft

Optimum Class Size: 14

Individual Task Summary - Lessons

<u>Task</u>	<u>Title</u>	<u>Lesson / Ver</u>	<u>Critical Task</u>
052-243-1304	Install Construction Survey Stakes and Markers	12T10B11 / 1	Yes
		12T10B09 / 1	Yes
052-243-1510	Perform a Preliminary Site Survey (Topographical/Radial Survey)	12T10B05 / 1	Yes
052-243-1513	Perform Layout of a Construction Project	12T10B11 / 1	Yes
		12T10B09 / 1	Yes
052-243-1540	Perform Kinematic Survey with Differential Global Positioning System (DGPS)	12T10B05 / 1	Yes
052-243-1541	Produce Civil Engineering Drawings	12T10B07 / 1	Yes
052-243-1544	Perform as a Rodman	12T10B09 / 1	Yes
		12T10B05 / 1	Yes
052-243-1558	Determine Earthwork Volumes	12T10B07 / 1	Yes
052-243-1562	Prepare a Site Plan for General Construction	12T10B05 / 1	Yes

Course: 413-12T10

Version: 1

Delivery Group: A **Phase:** 2

Course Name: Technical Engineer

Management Category: Resident

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Status: Draft

Optimum Class Size: 14

Collective Task Summary - Lessons

None.

Course: 413-12T10

Version: 1

Delivery Group: A **Phase:** 2

Course Name: Technical Engineer

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Preparation Date: 22 Jul 2010

Status: Draft

Optimum Class Size: 14

Ammunition Summary - Lesson

None

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Version: 1 Delivery Group: A Phase: 2
 Preparation Date: 22 Jul 2010
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Facilities Summary - Lessons

Facility Id: 17136-2800

Unit of Measure: Square Feet

Nomenclature: AUTO-AID INST, 2800 SF (Classroom XXI)

<u>Lesson / Version</u>	<u>Step</u>	<u>Facility Quantity</u>	<u>Student Ratio</u>	<u>Setup Hours</u>	<u>Cleanup Hours</u>	<u>Instruction Hours</u>	<u>Facility Hours</u>
12T10B05 / 1	TLO	1	1:14	0.0	0.0	49.6	49.6
Lesson Total:				0.0	0.0	49.6	49.6
12T10B06 / 1	TLO	1	1:14	0.0	0.0	7.8	7.8
Lesson Total:				0.0	0.0	7.8	7.8
12T10B07 / 1	TLO	1	1:14	0.0	0.0	27.3	27.3
Lesson Total:				0.0	0.0	27.3	27.3
12T10B08 / 1	TLO	1	1:14	0.0	0.0	4.3	4.3
Lesson Total:				0.0	0.0	4.3	4.3
12T10B09 / 1	TLO	1	1:14	0.0	0.0	27.3	27.3
Lesson Total:				0.0	0.0	27.3	27.3
12T10B10 / 1	TLO	1	1:14	0.0	0.0	4.3	4.3
Lesson Total:				0.0	0.0	4.3	4.3
12T10B11 / 1	TLO	1	1:14	0.0	0.0	13.7	13.7
Lesson Total:				0.0	0.0	13.7	13.7
12T10B12 / 1	TLO	1	1:14	0.0	0.0	1.9	1.9
Lesson Total:				0.0	0.0	1.9	1.9
Facility Total:				0.0	0.0	136.2	136.2

Facility Id: 17139-4000

Unit of Measure: Square Feet

Nomenclature: COV TRAIN AREA, 4000 SF

<u>Lesson / Version</u>	<u>Step</u>	<u>Facility Quantity</u>	<u>Student Ratio</u>	<u>Setup Hours</u>	<u>Cleanup Hours</u>	<u>Instruction Hours</u>	<u>Facility Hours</u>
12T10B05 / 1	TLO	1	1:14	0.0	0.0	49.6	49.6
Lesson Total:				0.0	0.0	49.6	49.6
12T10B06 / 1	TLO	1	1:14	0.0	0.0	7.8	7.8
Lesson Total:				0.0	0.0	7.8	7.8
12T10B09 / 1	TLO	1	1:14	0.0	0.0	27.3	27.3
Lesson Total:				0.0	0.0	27.3	27.3
12T10B10 / 1	TLO	1	1:14	0.0	0.0	4.3	4.3
Lesson Total:				0.0	0.0	4.3	4.3
12T10B11 / 1	TLO	1	1:14	0.0	0.0	13.7	13.7
Lesson Total:				0.0	0.0	13.7	13.7
12T10B12 / 1	TLO	1	1:14	0.0	0.0	1.9	1.9
Lesson Total:				0.0	0.0	1.9	1.9

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<u>Lesson / Version</u>	<u>Step</u>	<u>Facility Quantity</u>	<u>Student Ratio</u>	<u>Setup Hours</u>	<u>Cleanup Hours</u>	<u>Instruction Hours</u>	<u>Facility Hours</u>
Facility Total:				0.0	0.0	104.6	104.6

Facility Id: 17710-20

Unit of Measure: Acres

Nomenclature: MAN/TRN AREA LT, 20 AC

<u>Lesson / Version</u>	<u>Step</u>	<u>Facility Quantity</u>	<u>Student Ratio</u>	<u>Setup Hours</u>	<u>Cleanup Hours</u>	<u>Instruction Hours</u>	<u>Facility Hours</u>
12T10B05 / 1	TLO	1	1:14	0.0	0.0	49.6	49.6
Lesson Total:				0.0	0.0	49.6	49.6
12T10B06 / 1	TLO	1	1:14	0.0	0.0	7.8	7.8
Lesson Total:				0.0	0.0	7.8	7.8
12T10B09 / 1	TLO	1	1:14	0.0	0.0	27.3	27.3
Lesson Total:				0.0	0.0	27.3	27.3
12T10B10 / 1	TLO	1	1:14	0.0	0.0	4.3	4.3
Lesson Total:				0.0	0.0	4.3	4.3
12T10B11 / 1	TLO	1	1:14	0.0	0.0	13.7	13.7
Lesson Total:				0.0	0.0	13.7	13.7
12T10B12 / 1	TLO	1	1:14	0.0	0.0	1.9	1.9
Lesson Total:				0.0	0.0	1.9	1.9
Facility Total:				0.0	0.0	104.6	104.6

Facility Id: 17999-20

Unit of Measure: Acres

Nomenclature: FIELD TNG AREA, 20 AC

<u>Lesson / Version</u>	<u>Step</u>	<u>Facility Quantity</u>	<u>Student Ratio</u>	<u>Setup Hours</u>	<u>Cleanup Hours</u>	<u>Instruction Hours</u>	<u>Facility Hours</u>
12T10B05 / 1	TLO	1	1:14	0.0	0.0	49.6	49.6
Lesson Total:				0.0	0.0	49.6	49.6
12T10B06 / 1	TLO	1	1:14	0.0	0.0	7.8	7.8
Lesson Total:				0.0	0.0	7.8	7.8
12T10B09 / 1	TLO	1	1:14	0.0	0.0	27.3	27.3
Lesson Total:				0.0	0.0	27.3	27.3
12T10B10 / 1	TLO	1	1:14	0.0	0.0	4.3	4.3
Lesson Total:				0.0	0.0	4.3	4.3
12T10B11 / 1	TLO	1	1:14	0.0	0.0	13.7	13.7
Lesson Total:				0.0	0.0	13.7	13.7
12T10B12 / 1	TLO	1	1:14	0.0	0.0	1.9	1.9
Lesson Total:				0.0	0.0	1.9	1.9
Facility Total:				0.0	0.0	104.6	104.6

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2
 Preparation Date: 22 Jul 2010
 Optimum Class Size: 14

Equipment Summary - Lessons

Expendable:

NSN (LIN): 4020-00-270-1659 Cord, Fibrous

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Total</u>	<u>OPTEMPO Miles Hours</u>	
12T10B11 / 1	TLO	1:3	5	0	0	5	0.0	0.0
Lesson Total:			5	0	0	5	0.0	0.0
12T10B12 / 1	TLO	1:3	5	0	0	5	0.0	0.0
Lesson Total:			5	0	0	5	0.0	0.0
NSN (LIN) Total:			10	0	0	10	0.0	0.0

NSN (LIN): 5315-00-010-4659 Nail

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Total</u>	<u>OPTEMPO Miles Hours</u>	
12T10B11 / 1	TLO		0	0	1	1	0.0	0.0
Lesson Total:			0	0	1	1	0.0	0.0
12T10B12 / 1	TLO		0	0	1	1	0.0	0.0
Lesson Total:			0	0	1	1	0.0	0.0
NSN (LIN) Total:			0	0	2	2	0.0	0.0

NSN (LIN): 5510-00-171-7734 Stake, Wood, 1 x 2 x 18

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Total</u>	<u>OPTEMPO Miles Hours</u>	
12T10B09 / 1	TLO		0	0	5	5	0.0	0.0
Lesson Total:			0	0	5	5	0.0	0.0
12T10B10 / 1	TLO		0	0	5	5	0.0	0.0
Lesson Total:			0	0	5	5	0.0	0.0
12T10B11 / 1	TLO		0	0	5	5	0.0	0.0
Lesson Total:			0	0	5	5	0.0	0.0
12T10B12 / 1	TLO		0	0	5	5	0.0	0.0
Lesson Total:			0	0	5	5	0.0	0.0
NSN (LIN) Total:			0	0	20	20	0.0	0.0

NSN (LIN): 5510-00-220-6078 Lumber, Soft Wood, Board, 1" x 4" x 6'

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Total</u>	<u>OPTEMPO Miles Hours</u>	
12T10B11 / 1	TLO		0	0	256	256	0.0	0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Total</u>	<u>OPTEMPO Miles Hours</u>
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Lesson Total: 0 0 256 256 0.0 0.0

Remarks: TLO Unit of Issue is Board Feet

12T10B12 / 1	TLO		0	0	32	32	0.0 0.0
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Lesson Total: 0 0 32 32 0.0 0.0

Remarks: TLO Unit of Issue is Board Feet

NSN (LIN) Total: 0 0 288 288 0.0 0.0

NSN (LIN): 5510-00-220-6194 Lumber, Soft Wood, Dimension, 2" x 4" x 6'

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Total</u>	<u>OPTEMPO Miles Hours</u>
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12T10B11 / 1	TLO		0	0	176	176	0.0 0.0
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Lesson Total: 0 0 176 176 0.0 0.0

Remarks: TLO Unit of Issue is Board Feet

12T10B12 / 1	TLO		0	0	22	22	0.0 0.0
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Lesson Total: 0 0 22 22 0.0 0.0

Remarks: TLO Unit of Issue is Board Feet

NSN (LIN) Total: 0 0 198 198 0.0 0.0

NSN (LIN): 6675-00-641-5713 Rod, Level, Philadelphia

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Total</u>	<u>OPTEMPO Miles Hours</u>
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12T10B11 / 1	TLO	1:1	14	0	2	16	0.0 0.0
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Lesson Total: 14 0 2 16 0.0 0.0

12T10B12 / 1	TLO	1:1	14	0	2	16	0.0 0.0
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Lesson Total: 14 0 2 16 0.0 0.0

NSN (LIN) Total: 28 0 4 32 0.0 0.0

NSN (LIN): 7420-01-182-8535 Calculator, Electronic, Scientific

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Total</u>	<u>OPTEMPO Miles Hours</u>
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12T10B05 / 1	TLO	1:1	14	4	5	23	0.0 0.0
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Lesson Total: 14 4 5 23 0.0 0.0

12T10B06 / 1	TLO	1:1	14	4	5	23	0.0 0.0
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Lesson Total: 14 4 5 23 0.0 0.0

12T10B07 / 1	TLO	1:1	14	2	5	21	0.0 0.0
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Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Total</u>	<u>OPTEMPO Miles Hours</u>	
	Lesson Total:		14	2	5	21	0.0	0.0
12T10B08 / 1	TLO	1:1	14	2	5	21	0.0	0.0
	Lesson Total:		14	2	5	21	0.0	0.0
12T10B09 / 1	TLO	1:1	14	2	5	21	0.0	0.0
	Lesson Total:		14	2	5	21	0.0	0.0
12T10B10 / 1	TLO	1:1	14	2	5	21	0.0	0.0
	Lesson Total:		14	2	5	21	0.0	0.0
12T10B11 / 1	TLO	1:1	14	2	5	21	0.0	0.0
	Lesson Total:		14	2	5	21	0.0	0.0
12T10B12 / 1	TLO	1:1	14	2	5	21	0.0	0.0
	Lesson Total:		14	2	5	21	0.0	0.0
NSN (LIN) Total:			112	20	40	172	0.0	0.0

NSN (LIN): 7520-00-973-1059

Marker, Tube Type

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Total</u>	<u>OPTEMPO Miles Hours</u>	
12T10B09 / 1	TLO		0	0	3	3	0.0	0.0
	Lesson Total:		0	0	3	3	0.0	0.0
12T10B10 / 1	TLO		0	0	3	3	0.0	0.0
	Lesson Total:		0	0	3	3	0.0	0.0
12T10B11 / 1	TLO		0	0	3	3	0.0	0.0
	Lesson Total:		0	0	3	3	0.0	0.0
12T10B12 / 1	TLO		0	0	3	3	0.0	0.0
	Lesson Total:		0	0	3	3	0.0	0.0
NSN (LIN) Total:			0	0	12	12	0.0	0.0

NSN (LIN): 7520-01-132-4996

Pencil, Mechanical

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Total</u>	<u>OPTEMPO Miles Hours</u>	
12T10B05 / 1	TLO		0	0	3	3	0.0	0.0
	Lesson Total:		0	0	3	3	0.0	0.0
12T10B06 / 1	TLO		0	0	3	3	0.0	0.0
	Lesson Total:		0	0	3	3	0.0	0.0
12T10B07 / 1	TLO		0	0	3	3	0.0	0.0
	Lesson Total:		0	0	3	3	0.0	0.0
12T10B08 / 1	TLO		0	0	3	3	0.0	0.0
	Lesson Total:		0	0	3	3	0.0	0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Total</u>	<u>OPTEMPO Miles Hours</u>	
12T10B09 / 1	TLO		0	0	3	3	0.0	0.0
Lesson Total:			0	0	3	3	0.0	0.0
12T10B10 / 1	TLO		0	0	3	3	0.0	0.0
Lesson Total:			0	0	3	3	0.0	0.0
12T10B11 / 1	TLO		0	0	3	3	0.0	0.0
Lesson Total:			0	0	3	3	0.0	0.0
12T10B12 / 1	TLO		0	0	3	3	0.0	0.0
Lesson Total:			0	0	3	3	0.0	0.0
NSN (LIN) Total:			0	0	24	24	0.0	0.0

NSN (LIN): 7530-01-335-2623

Paper, Copying, Xerographic Process (Copier Paper)

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Total</u>	<u>OPTEMPO Miles Hours</u>	
12T10B05 / 1	TLO		0	0	3	3	0.0	0.0
Lesson Total:			0	0	3	3	0.0	0.0
12T10B06 / 1	TLO		0	0	3	3	0.0	0.0
Lesson Total:			0	0	3	3	0.0	0.0
12T10B09 / 1	TLO		0	0	3	3	0.0	0.0
Lesson Total:			0	0	3	3	0.0	0.0
12T10B10 / 1	TLO		0	0	3	3	0.0	0.0
Lesson Total:			0	0	3	3	0.0	0.0
NSN (LIN) Total:			0	0	12	12	0.0	0.0

Non-Expendable:

NSN (LIN): 5120-00-224-4141

Hammer, Hand, 4 lb

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>	
12T10B09 / 1	TLO	1:3	5	0	0	5	0.0	0.0
Lesson Max:			5	0	0	5	0.0	0.0
12T10B10 / 1	TLO	1:3	5	0	0	5	0.0	0.0
Lesson Max:			5	0	0	5	0.0	0.0
12T10B11 / 1	TLO	1:3	5	0	0	5	0.0	0.0
Lesson Max:			5	0	0	5	0.0	0.0
12T10B12 / 1	TLO	1:3	5	0	0	5	0.0	0.0
Lesson Max:			5	0	0	5	0.0	0.0
NSN (LIN) Max:			5	0	0	5	0.0	0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

NSN (LIN): 5120-00-892-5485 Hammer, Hand, 16 oz

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>	
12T10B11 / 1	TLO	1:3	5	0	0	5	0.0	0.0
Lesson Max:			5	0	0	5	0.0	0.0
12T10B12 / 1	TLO	1:3	5	0	0	5	0.0	0.0
Lesson Max:			5	0	0	5	0.0	0.0
NSN (LIN) Max:			5	0	0	5	0.0	0.0

NSN (LIN): 6675-00-641-3572 (X31755) Tripod, Surveying 64 inches

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>	
12T10B05 / 1	TLO	1:3	5	0	2	7	0.0	47.0
Lesson Max:			5	0	2	7	0.0	47.0
12T10B06 / 1	TLO	1:3	5	0	2	7	0.0	7.0
Lesson Max:			5	0	2	7	0.0	7.0
12T10B09 / 1	TLO	1:3	5	0	2	7	0.0	17.6
Lesson Max:			5	0	2	7	0.0	17.6
12T10B10 / 1	TLO	1:3	5	0	2	7	0.0	4.0
Lesson Max:			5	0	2	7	0.0	4.0
12T10B11 / 1	TLO	1:3	5	0	2	7	0.0	10.8
Lesson Max:			5	0	2	7	0.0	10.8
12T10B12 / 1	TLO	1:3	5	0	2	7	0.0	1.6
Lesson Max:			5	0	2	7	0.0	1.6
NSN (LIN) Max:			5	0	2	7	0.0	88.0

NSN (LIN): 6675-01-054-5012 Level, Surveying, Self-Leveling

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>	
12T10B11 / 1	TLO	1:3	5	0	2	7	0.0	0.0
Lesson Max:			5	0	2	7	0.0	0.0
12T10B12 / 1	TLO	1:3	5	0	2	7	0.0	0.0
Lesson Max:			5	0	2	7	0.0	0.0
NSN (LIN) Max:			5	0	2	7	0.0	0.0

NSN (LIN): 6675-01-503-3579 (S03726) Surveying Instrument, Electronic

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>	
12T10B05 / 1	TLO	1:3	5	0	2	7	0.0	47.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
Lesson Max:			5	0	2	7	0.0 47.0
Remarks: TLO Trimble 5601							
12T10B06 / 1	TLO	1:3	5	0	2	7	0.0 7.0
Lesson Max:			5	0	2	7	0.0 7.0
Remarks: TLO Trimble 5601							
12T10B09 / 1	TLO	1:3	5	0	2	7	0.0 17.6
Lesson Max:			5	0	2	7	0.0 17.6
Remarks: TLO Trimble 5601							
12T10B10 / 1	TLO	1:3	5	0	2	7	0.0 4.0
Lesson Max:			5	0	2	7	0.0 4.0
Remarks: TLO Trimble 5601							
12T10B11 / 1	TLO	1:3	5	0	2	7	0.0 10.8
Lesson Max:			5	0	2	7	0.0 10.8
Remarks: TLO Trimble 5601							
12T10B12 / 1	TLO	1:3	5	1	0	6	0.0 1.6
Lesson Max:			5	1	0	6	0.0 1.6
Remarks: TLO Trimble 5601							
NSN (LIN) Max:			5	1	2	8	0.0 88.0

NSN (LIN): 7000-21-000-0041

Terra Model Software (Trimble/Spectra Precision)

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	21	21	0.0 0.0
Lesson Max:			0	0	21	21	0.0 0.0
12T10B06 / 1	TLO		0	0	21	21	0.0 0.0
Lesson Max:			0	0	21	21	0.0 0.0
12T10B07 / 1	TLO		0	0	21	21	0.0 0.0
Lesson Max:			0	0	21	21	0.0 0.0
12T10B08 / 1	TLO		0	0	21	21	0.0 0.0
Lesson Max:			0	0	21	21	0.0 0.0
12T10B09 / 1	TLO		0	0	21	21	0.0 0.0
Lesson Max:			0	0	21	21	0.0 0.0
12T10B10 / 1	TLO		0	0	21	21	0.0 0.0
Lesson Max:			0	0	21	21	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B11 / 1	TLO		0	0	21	21	0.0 0.0
	Lesson Max:		0	0	21	21	0.0 0.0
12T10B12 / 1	TLO		0	0	21	21	0.0 0.0
	Lesson Max:		0	0	21	21	0.0 0.0
	NSN (LIN) Max:		0	0	21	21	0.0 0.0

NSN (LIN): 7000-21-000-0056 Computer System

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	20	20	0.0 0.0
	Lesson Max:		0	0	20	20	0.0 0.0
12T10B06 / 1	TLO		0	0	20	20	0.0 0.0
	Lesson Max:		0	0	20	20	0.0 0.0
12T10B07 / 1	TLO		0	0	20	20	0.0 0.0
	Lesson Max:		0	0	20	20	0.0 0.0
12T10B08 / 1	TLO		0	0	20	20	0.0 0.0
	Lesson Max:		0	0	20	20	0.0 0.0
12T10B09 / 1	TLO		0	0	20	20	0.0 0.0
	Lesson Max:		0	0	20	20	0.0 0.0
12T10B10 / 1	TLO		0	0	20	20	0.0 0.0
	Lesson Max:		0	0	20	20	0.0 0.0
12T10B11 / 1	TLO		0	0	20	20	0.0 0.0
	Lesson Max:		0	0	20	20	0.0 0.0
12T10B12 / 1	TLO		0	0	20	20	0.0 0.0
	Lesson Max:		0	0	20	20	0.0 0.0
	NSN (LIN) Max:		0	0	20	20	0.0 0.0

NSN (LIN): 7000-21-000-0409 Instructor PC

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO	0:0	0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO	0:0	0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7025-01-571-0538

Printer, Automatic Data Processing, Designjet, 2400 x 1200 DPI

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	3	3	0.0 0.0
	Lesson Max:		0	0	3	3	0.0 0.0
12T10B06 / 1	TLO		0	0	3	3	0.0 0.0
	Lesson Max:		0	0	3	3	0.0 0.0
12T10B07 / 1	TLO		0	0	3	3	0.0 0.0
	Lesson Max:		0	0	3	3	0.0 0.0
12T10B08 / 1	TLO		0	0	3	3	0.0 0.0
	Lesson Max:		0	0	3	3	0.0 0.0
12T10B09 / 1	TLO		0	0	3	3	0.0 0.0
	Lesson Max:		0	0	3	3	0.0 0.0
12T10B10 / 1	TLO		0	0	3	3	0.0 0.0
	Lesson Max:		0	0	3	3	0.0 0.0
	NSN (LIN) Max:		0	0	3	3	0.0 0.0

NSN (LIN): R8GNSSRTK-PB10

GPS Survey Grade System, 1 Base/2Rovers 5700 Base Kit, RTK/PP SW, 1 Internal Radio (410-420 MHz)

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO	1:2	7	0	2	9	0.0 0.0
	Lesson Max:		7	0	2	9	0.0 0.0
Remarks: TLO Ordering POC is Trimble, Jack Patton at (937)245-5300							
12T10B06 / 1	TLO	1:2	7	0	2	9	0.0 0.0
	Lesson Max:		7	0	2	9	0.0 0.0

Course: 413-12T10
Course Name: Technical Engineer
Management Category: Resident
Status: Draft

Version: 1 **Delivery Group:** A **Phase:** 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
Remarks: TLO Ordering POC is Trimble, Jack Patton at (937)245-5300							
12T10B09 / 1	TLO	1:2	7	0	2	9	0.0
Lesson Max:			7	0	2	9	0.0
Remarks: TLO Ordering POC is Trimble, Jack Patton at (937)245-5300							
12T10B10 / 1	TLO	1:2	7	0	2	9	0.0
Lesson Max:			7	0	2	9	0.0
Remarks: TLO Ordering POC is Trimble, Jack Patton at (937)245-5300							
12T10B11 / 1	TLO	1:2	7	0	2	9	0.0
Lesson Max:			7	0	2	9	0.0
Remarks: TLO Ordering POC is Trimble, Jack Patton at (937)245-5300							
12T10B12 / 1	TLO	1:2	7	0	2	9	0.0
Lesson Max:			7	0	2	9	0.0
Remarks: TLO Ordering POC is Trimble, Jack Patton at (937)245-5300							
NSN (LIN) Max:			7	0	2	9	0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2
 Preparation Date: 22 Jul 2010
 Optimum Class Size: 14

Training Support Equipment - Lessons

Non-Expendable:

NSN (LIN): 5130-00-889-8991 (S36426) Saw, Circular, Portable, Electric

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B11 / 1	TLO		0	0	2	2	0.0 5.2
Lesson Max:			0	0	2	2	0.0 5.2
Remarks: TLO FOR INSTRUCTOR USE ONLY							
12T10B12 / 1	TLO		0	0	2	2	0.0 1.6
Lesson Max:			0	0	2	2	0.0 1.6
Remarks: TLO FOR INSTRUCTOR USE ONLY							
NSN (LIN) Max:			0	0	2	2	0.0 6.8

NSN (LIN): 7000-21-000-0354 150" Video Screens

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
NSN (LIN) Max:			0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0355 Screen Controller

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0356

Crestron Audio / Video Controller

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
NSN (LIN) Max:			0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0357 Power Supply

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
NSN (LIN) Max:			0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0358 Crestron Com Card

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B10 / 1	TLO	0:0	0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0359 LCD Projection System

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0360 8x8 RGB Routing Switcher

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0361

Creston Ethernet Card

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO	0:0	0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0362

Creston Input/Output Card

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0363

Crestron Volume Control Card

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

NSN (LIN): 7000-21-000-0364

Crestron Relay Card

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0365

Crestron RS-232/IR Control Card

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
Lesson Max:			0	0	1	1	0.0 0.0
NSN (LIN) Max:			0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0366 Crestron Infrared Transmitter

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
NSN (LIN) Max:			0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0367 Ceiling Speaker System

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0368

Crestron Lighting Controller

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0369

Crestron 12" Video Touch Panel

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0385

Projector Mounting System

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0386

Audio Power Amplifier

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
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Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0387

Headset Microphone

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
NSN (LIN) Max:			0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0388 Condenser Microphone

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
NSN (LIN) Max:			0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0389 Microphone Base

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0390 Power Conditioner

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0391 8x8 Audio Video Routing Switcher

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0392

VCR / DVD Player

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0393

VCR / DVD Control Module

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0394

Wireless Microphone System

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

NSN (LIN): 7000-21-000-0395

Lavaliere Microphone

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0396

Audio Dynamics Processor

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
Lesson Max:			0	0	1	1	0.0 0.0
NSN (LIN) Max:			0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0397 Microphone Mixer

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
NSN (LIN) Max:			0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0398 Audio Routing Mixer

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0399 20 Space Security Door

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0400 2-Space Vented Security Panel

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0401

Document Camera

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0402

Wireless Mouse

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
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Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0403

1x2 RGB Distribution Amplifier

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
NSN (LIN) Max:			0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0404 Audio/Video/Control Cable and Assemblies

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
NSN (LIN) Max:			0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0405 Control System Design

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0406

Smart Board Display Monitor

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0407

Documentation for Installation Schematics

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2

Preparation Date: 22 Jul 2010

Optimum Class Size: 14

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

NSN (LIN): 7000-21-000-0408

Rack

<u>Lesson / Version</u>	<u>Step</u>	<u>Student Ratio</u>	<u>Student Quantity</u>	<u>Instructor Quantity</u>	<u>Other Quantity</u>	<u>Max</u>	<u>OPTEMPO Miles Hours</u>
12T10B05 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B06 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B07 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B08 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B09 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B10 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B11 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
12T10B12 / 1	TLO		0	0	1	1	0.0 0.0
	Lesson Max:		0	0	1	1	0.0 0.0
	NSN (LIN) Max:		0	0	1	1	0.0 0.0

Course: 413-12T10
Course Name: Technical Engineer
Management Category: Resident
Status: Draft

Version: 1 **Delivery Group:** A **Phase:** 2
Preparation Date: 22 Jul 2010
Optimum Class Size: 14

Support Personnel Summary - Lesson

Support Personnel Title: Assistant Instructor

Support Personnel Classification: Enlisted

School: (052) Engineer School

<u>Lesson / Version</u>	<u>Student Quantity</u>	<u>Support Personnel Quantity</u>	<u>Man Hours</u>
12T10B05 / 1	0	3	44.6
12T10B06 / 1	0	3	7.0
12T10B07 / 1	0	1	25.5
12T10B08 / 1	0	1	4.0
12T10B09 / 1	0	1	26.7
12T10B10 / 1	0	1	4.0
12T10B11 / 1	0	1	9.3
12T10B12 / 1	0	1	1.6
Totals	0	12	122.7

Course: 413-12T10

Version: 1

Delivery Group: A **Phase:** 2

Course Name: Technical Engineer

Management Category: Resident

Preparation Date: 22 Jul 2010

Status: Draft

Optimum Class Size: 14

TADSS Summary - Lessons

None.

Course: 413-12T10
Course Name: Technical Engineer
Management Category: Resident
Status: Draft

Version: 1 **Delivery Group:** A **Phase:** 2
Preparation Date: 22 Jul 2010
Optimum Class Size: 14

MRAD Headquarters Validation

Module: B / 001

Lesson: 12T10B05 / 1

<u>Step</u>	<u>Method of Instruction</u>	<u>Time of Instruction</u>	<u>Instructor to Student</u>	<u>ICH</u>
Introduction	Conference / Discussion	0.1	1:14	0.1
ELO A (1)	Conference / Discussion	2.0	1:14	2.0
ELO A (2)	Demonstration	1.0	1:4	4.0
ELO B (1)	Demonstration	1.0	1:4	4.0
ELO B (2)	Practical Exercise (Performance)	8.0	1:4	32.0
ELO B (3)	Demonstration	1.0	1:14	1.0
ELO B (4)	Demonstration	1.0	1:7	2.0
ELO B (5)	Practical Exercise (Performance)	2.0	1:7	4.0
ELO C (1)	Demonstration	1.0	1:14	1.0
ELO C (2)	Practical Exercise (Performance)	8.0	1:7	16.0
ELO C (3)	Demonstration	1.0	1:14	1.0
ELO C (4)	Practical Exercise (Performance)	2.0	1:7	4.0
ELO D (1)	Demonstration	2.0	1:7	4.0
ELO D (2)	Practical Exercise (Performance)	2.0	1:7	4.0
ELO D (3)	Demonstration	5.0	1:7	10.0
ELO D (4)	Practical Exercise (Performance)	8.6	1:7	17.2
ELO D (5)	Demonstration	2.0	1:7	4.0
ELO D (6)	Practical Exercise (Performance)	2.0	1:7	4.0
Summary	Conference / Discussion	0.1	1:14	0.1
		Lesson Subtotal:	49.8	114.4
		MRAD Subtotal:	49.8	114.4

Module: B / 001

Lesson: 12T10B06 / 1

<u>Step</u>	<u>Method of Instruction</u>	<u>Time of Instruction</u>	<u>Instructor to Student</u>	<u>ICH</u>
Introduction	Conference / Discussion	0.1	1:14	0.1
TLO (1)	Test	7.0	1:4	28.0
TLO (2)	Test Review	0.8	1:14	0.8
Summary	Conference / Discussion	0.1	1:14	0.1
		Lesson Subtotal:	8.0	29.0
		MRAD Subtotal:	8.0	29.0

Course: 413-12T10
 Course Name: Technical Engineer
 Management Category: Resident
 Status: Draft

Version: 1 Delivery Group: A Phase: 2
 Preparation Date: 22 Jul 2010
 Optimum Class Size: 14

Module: B / 001 **Lesson:** 12T10B07 / 1

<u>Step</u>	<u>Method of Instruction</u>	<u>Time of Instruction</u>	<u>Instructor to Student</u>	<u>ICH</u>
Introduction	Conference / Discussion	0.1	1:14	0.1
ELO A (1)	Conference / Discussion	0.6	1:14	0.6
ELO A (2)	Conference / Discussion	0.6	1:14	0.6
ELO A (3)	Conference / Discussion	0.6	1:14	0.6
ELO B (1)	Demonstration	1.0	1:7	2.0
ELO B (2)	Demonstration	1.0	1:7	2.0
ELO B (3)	Demonstration	1.0	1:7	2.0
ELO B (4)	Demonstration	1.0	1:7	2.0
ELO B (5)	Practical Exercise (Performance)	11.7	1:7	23.4
ELO C (1)	Demonstration	0.9	1:7	1.8
ELO C (2)	Demonstration	0.9	1:7	1.8
ELO C (3)	Practical Exercise (Performance)	8.0	1:7	16.0
Summary	Conference / Discussion	0.1	1:14	0.1

Lesson Subtotal:		27.5		53.0
MRAD Subtotal:		27.5		53.0

Module: B / 001 **Lesson:** 12T10B08 / 1

<u>Step</u>	<u>Method of Instruction</u>	<u>Time of Instruction</u>	<u>Instructor to Student</u>	<u>ICH</u>
Introduction	Conference / Discussion	0.1	1:14	0.1
TLO (1)	Test	4.0	1:7	8.0
TLO (2)	Test Review	0.3	1:14	0.3
Summary	Conference / Discussion	0.1	1:14	0.1

Lesson Subtotal:		4.5		8.5
MRAD Subtotal:		4.5		8.5

Module: B / 001 **Lesson:** 12T10B09 / 1

<u>Step</u>	<u>Method of Instruction</u>	<u>Time of Instruction</u>	<u>Instructor to Student</u>	<u>ICH</u>
Introduction	Conference / Discussion	0.1	1:14	0.1
ELO A (1)	Demonstration	0.6	1:14	0.6
ELO A (2)	Practical Exercise (Performance)	1.0	1:7	2.0
ELO A (3)	Demonstration	0.6	1:7	1.2
ELO A (4)	Practical Exercise (Performance)	1.0	1:7	2.0
ELO B (1)	Demonstration	0.9	1:7	1.8
ELO C (1)	Demonstration	1.0	1:7	2.0
ELO C (2)	Demonstration	1.0	1:7	2.0
ELO C (3)	Practical Exercise (Performance)	10.6	1:7	21.2
ELO D (1)	Demonstration	1.0	1:7	2.0
ELO D (2)	Practical Exercise (Performance)	1.6	1:7	3.2
ELO D (3)	Demonstration	1.0	1:7	2.0
ELO D (4)	Practical Exercise (Performance)	7.0	1:7	14.0

Course: 413-12T10

Version: 1

Delivery Group: A **Phase:** 2

Course Name: Technical Engineer

Management Category: Resident

Preparation Date: 22 Jul 2010

Status: Draft

Optimum Class Size: 14

Module: B / 001

Lesson: 12T10B09 / 1

<u>Step</u>	<u>Method of Instruction</u>	<u>Time of Instruction</u>	<u>Instructor to Student</u>	<u>ICH</u>
Summary	Conference / Discussion	0.1	1:14	0.1
		Lesson Subtotal:	27.5	54.2
		MRAD Subtotal:	27.5	54.2

Course: 413-12T10
Course Name: Technical Engineer
Management Category: Resident
Status: Draft

Version: 1 **Delivery Group:** A **Phase:** 2
Preparation Date: 22 Jul 2010
Optimum Class Size: 14

Module: B / 001 **Lesson:** 12T10B10 / 1

<u>Step</u>	<u>Method of Instruction</u>	<u>Time of Instruction</u>	<u>Instructor to Student</u>	<u>ICH</u>
Introduction	Conference / Discussion	0.1	1:14	0.1
TLO (1)	Test	4.0	1:7	8.0
TLO (2)	Test Review	0.3	1:14	0.3
Summary	Conference / Discussion	0.1	1:14	0.1

		Lesson Subtotal:	4.5	8.5
		MRAD Subtotal:	4.5	8.5

Module: B / 001 **Lesson:** 12T10B11 / 1

<u>Step</u>	<u>Method of Instruction</u>	<u>Time of Instruction</u>	<u>Instructor to Student</u>	<u>ICH</u>
Introduction	Conference / Discussion	0.1	1:14	0.1
ELO A (1)	Conference / Discussion	0.6	1:14	0.6
ELO A (2)	Demonstration	1.6	1:14	1.6
ELO A (3)	Practical Exercise (Performance)	3.0	1:7	6.0
ELO B (1)	Conference / Discussion	0.6	1:14	0.6
ELO B (2)	Demonstration	1.6	1:14	1.6
ELO B (3)	Practical Exercise (Written)	2.0	1:7	4.0
ELO B (4)	Practical Exercise (Performance)	4.3	1:7	8.6
Summary	Conference / Discussion	0.1	1:14	0.1

		Lesson Subtotal:	13.9	23.2
		MRAD Subtotal:	13.9	23.2

Module: B / 001 **Lesson:** 12T10B12 / 1

<u>Step</u>	<u>Method of Instruction</u>	<u>Time of Instruction</u>	<u>Instructor to Student</u>	<u>ICH</u>
Introduction	Conference / Discussion	0.1	1:14	0.1
TLO (1)	Test	1.6	1:7	3.2
TLO (2)	Test Review	0.3	1:14	0.3
Summary	Conference / Discussion	0.1	1:14	0.1

		Lesson Subtotal:	2.1	3.7
		MRAD Subtotal:	2.1	3.7

Totals - Time of Instruction - Lesson:	137.8	ICH - Lesson:	294.5
MRAD:	137.8	MRAD:	294.5
Delta:	0.0		0.0

Course: 413-12T10

Version: 1

Delivery Group: A **Phase:** 2

Course Name: Technical Engineer

Management Category: Resident

Preparation Date: 22 Jul 2010

Status: Draft

Optimum Class Size: 14

Headquarters Memorandum

None