

**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

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**Program of Instruction Cover Page**

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**Total Computed Academic Hours:** 254.2

**Fiscal Year:** 2014

**Fiscal Year Quarter:** 1

**Status Change Date:** 22 Jul 2010

**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.

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### Preface Page

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**Fiscal Year:** 2014

**Fiscal Year Quarter:** 1

**Status:** Commandant Approved

**Status Change Date:** 22 Jul 2010

**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, Air Force, and Marine Corps personnel will attend training in this phase. Module A consists of training in Computer Aided Drafting (CAD) to include: architectural, utility, and civil drawings, drawing production/reproduction, and application of A/E/C CADD Standard. Module B consists of training in construction surveying; that consists of differential leveling and establishing project control.

**Course:** 413-12T10 **Version:** 1 **Delivery Group:** A **Phase:** 1  
**Course Name:** Technical Engineer  
**Management Category:** Resident **Preparation Date:** 22 Jul 2010  
**Status:** Commandant Approved **Optimum Class Size:** 24

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**Course Prerequisites:** Army, Navy, Air Force, and Marine Corps personnel must meet the prerequisites outlined in their service unique regulatory guidelines for classification training.

**Phase Prerequisites:**

**Special Information:**

**Security Clearance:** Unclassified

**Course Length— Weeks:** 6 **Days:** 3 **Hours:** 263

**Computed ICH:** 668.4

**Adjusted TOMA ICH:** 0.0

**Adjusted MRAD ICH:** 0.0

**Class Sizes – Optimum:** 24 **Minimum:** 3 **Maximum:** 24

<b>Academic Hours</b>	<b><u>Computed</u></b>	<b><u>Adjusted</u></b>
<b>Unique:</b>	254.2	
<b>Shared:</b>		
<b>Total:</b>		

**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

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

**Course Remarks:**

**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

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**Phase Remarks:** Army, Navy, Air Force, and Marine Corps personnel attend this module. The In-Processing time in this module is for Army personnel only.

**MRAD Remarks:**

**Course:** 413-12T10  
**Course Name:** Technical Engineer  
**Management Category:** Resident  
**Status:** Commandant Approved

**Version:** 1      **Delivery Group:** A      **Phase:** 1  
**Preparation Date:** 22 Jul 2010  
**Optimum Class Size:** 24

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**Course Summary**

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**Academic Time:**

Module: A / 1	160.0
Title: Drafting	
Module: B / 1	94.2
Title: Surveying	
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<b>Total:</b>	<b>254.2</b>

**Administrative Time:**

Commandant Time	1.8
In-Processing	8.0
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<b>Total:</b>	<b>9.8</b>

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**Grand Total:** 264.0

**Academic Hours by Security Classification:**

Unclassified	254.2
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<b>Total:</b>	<b>254.2</b>



**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

**Standard:** Prepare preliminary drafting sketches depicting complete representation of a building, proportionally drawn with all required dimensions to properly locate all interior walls, exterior walls, door openings, and window openings.

**Remarks:**

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10A03 / 1	(GP) Large Group Instruction		
	<b>Introduction:</b>	0.1	(CO) Conference / Discussion
		2.6	(TE) Test
		0.4	(TR) Test Review
	<b>Summary:</b>	0.1	(CO) Conference / Discussion
	<b>Total:</b>	3.2	

**Security Clearance:** Unclassified

**Lesson Title:** Prepare Preliminary Drafting Sketches Exam

**Action Text:** Prepare Preliminary Drafting Sketches Exam

**Condition:** In a classroom environment, given: a drafting scale, drafting triangles, pencil, eraser, graph paper, tape, and student guide with prepared drafting sketches.

**Standard:** Prepare preliminary drafting sketches depicting complete representation of a building, proportionally drawn with all required dimensions to properly locate all interior walls, exterior walls, door openings, and window openings. Sketch will be completed within 2 hours and 30 minutes.

**Remarks:**

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10A04 / 1	(GP) Large Group Instruction		
	<b>Introduction:</b>	0.1	(CO) Conference / Discussion
		9.2	(CO) Conference / Discussion
		41.0	(DM) Demonstration
		29.5	(PE) Practical Exercise (Performance)
	<b>Summary:</b>	0.1	(CO) Conference / Discussion
	<b>Total:</b>	79.9	

**Security Clearance:** Unclassified

**Lesson Title:** Prepare Floor Plan and Foundation Plan Drawings

**Action Text:** Prepare Floor Plan and Foundation Plan Drawings

**Condition:** In a classroom environment, given: a computer with AutoCAD, and student guide with prepared floor plan and foundation plan drawings.

**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

**Standard:** Prepare a floor plan and a foundation plan drawing accurate to within  $\pm 1/16$  of an inch, with correct graphics and accurate dimensions in accordance with provided sketches and specifications.

**Remarks:**

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10A05 / 1	(GP) Large Group Instruction		
	<b>Introduction:</b>	0.1	(CO) Conference / Discussion
		3.6	(TE) Test
		0.4	(TR) Test Review
	<b>Summary:</b>	0.1	(CO) Conference / Discussion
	<b>Total:</b>	4.2	

**Security Clearance:** Unclassified

**Lesson Title:** Prepare Floor Plan and Foundation Plan Drawings Exam

**Action Text:** Prepare Floor Plan and Foundation Plan Drawings Exam

**Condition:** In a classroom environment, given: a computer with AutoCAD, and student guide with prepared floor plan and foundation plan drawings, and exam booklet.

**Standard:** Prepare a floor plan and a foundation plan drawing accurate to within  $\pm 1/16$  of an inch, with correct graphics and accurate dimensions in accordance with sketches and specifications provided in the exam booklet and completed within 3 hours and 30 minutes.

**Remarks:**

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10A06 / 1	(GP) Large Group Instruction		
	<b>Introduction:</b>	0.1	(CO) Conference / Discussion
		3.0	(CO) Conference / Discussion
		8.1	(DM) Demonstration
		17.2	(PE) Practical Exercise (Performance)
	<b>Summary:</b>	0.1	(CO) Conference / Discussion
	<b>Total:</b>	28.5	

**Security Clearance:** Unclassified

**Lesson Title:** Prepare a Utility Plan/Drawing

**Action Text:** Prepare a Utility Plan/Drawing

**Condition:** In a classroom environment, given: a computer with AutoCAD, and student guide with prepared utility drawings.



**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

**Standard:** Prepare a utility plan/drawing showing all fixtures, connections, and schedules, with symbols in accordance with sketches, designs, and specifications. Drawing will be accurate to  $\pm 1/16$  of an inch.

**Remarks:**

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10A07 / 1	(GP) Large Group Instruction		
	<b>Introduction:</b>	0.1	(CO) Conference / Discussion
		2.6	(TE) Test
		0.4	(TR) Test Review
	<b>Summary:</b>	0.1	(CO) Conference / Discussion
	<b>Total:</b>	3.2	

**Security Clearance:** Unclassified

**Lesson Title:** Prepare a Utility Plan/Drawing Exam

**Action Text:** Prepare a Utility Plan/Drawing Exam

**Condition:** In a classroom environment, given: a computer with AutoCAD, student guide with prepared utility drawings, and exam booklet.

**Standard:** Prepare a utility plan/drawing showing all fixtures, connections, and schedules, with symbols in accordance with sketches, designs, and specifications provided in exam booklet. Drawing will be accurate to  $\pm 1/16$  of an inch and completed within 2 hours and 30 minutes.

**Remarks:**

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10A08 / 1	(GP) Large Group Instruction		
	<b>Introduction:</b>	0.1	(CO) Conference / Discussion
		1.0	(CO) Conference / Discussion
		9.5	(DM) Demonstration
		17.2	(PE) Practical Exercise (Performance)
	<b>Summary:</b>	0.1	(CO) Conference / Discussion
	<b>Total:</b>	27.9	

**Security Clearance:** Unclassified

**Lesson Title:** Prepare Architectural Drawings

**Action Text:** Prepare Architectural Drawings

**Condition:** In a classroom environment, given: a computer with AutoCAD, a printer/plotter with paper, and student guide with prepared architectural drawings.

**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

**Standard:** Prepare architectural drawings consisting of a building elevation, a sectional drawing, and a detail drawing. Drawings will be accurate to within  $\pm 1/16$  of an inch in accordance with sketches and specifications provided in the student guide.

**Remarks:**

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10A09 / 1	(GP) Large Group Instruction		
	<b>Introduction:</b>	0.1	(CO) Conference / Discussion
		4.6	(TE) Test
		0.3	(TR) Test Review
	<b>Summary:</b>	0.1	(CO) Conference / Discussion
	<b>Total:</b>	5.1	

**Security Clearance:** Unclassified

**Lesson Title:** Prepare Architectural Drawings Exam

**Action Text:** Prepare Architectural Drawings Exam

**Condition:** In a classroom environment, given: a computer with AutoCAD, printer/plotter with paper, student guide with prepared architectural drawings, and exam booklet.

**Standard:** Prepare architectural drawings consisting of a building elevation, a sectional drawing, and a detail drawing. Drawings will be accurate to within  $\pm 1/16$  of an inch in accordance with sketches and specifications provided in the exam booklet and completed within 4 hours and 30 minutes.

**Remarks:**

**Course:** 413-12T10  
**Course Name:** Technical Engineer  
**Management Category:** Resident  
**Status:** Commandant Approved

**Version:** 1      **Delivery Group:** A      **Phase:** 1  
**Preparation Date:** 22 Jul 2010  
**Optimum Class Size:** 24

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**Module:** B / 1

**Title:** Surveying

**Purpose:** Provides training in construction surveying that consists of differential leveling and establishing project control.

**Remarks:** Army, Navy, Air Force, and Marine Corps personnel attend training in this module.

<b>Technique(s) of Delivery:</b>	<b>Hours</b>
Large Group Instruction (GP)	96.0
<b>Total Hours (Admin &amp; Academic)</b>	<b>96.0</b>

<b>Lesson Id / Version</b>	<b>Technique of Delivery</b>	<b>Hours</b>	<b>Method of Instruction</b>
12T10B01 / 1	(GP) Large Group Instruction		
	<b>Introduction:</b>	0.1	(CO) Conference / Discussion
		6.0	(CO) Conference / Discussion
		2.0	(DM) Demonstration
		1.6	(P1) Practical Exercise (Hands-on)
		7.8	(P3) Practical Exercise (Written)
		14.4	(PE) Practical Exercise (Performance)
	<b>Summary:</b>	0.1	(CO) Conference / Discussion
	<b>Total:</b>	<b>32.0</b>	

**Security Clearance:** Unclassified

**Lesson Title:** Establish Vertical Control

**Action Text:** Establish Vertical Control

**Condition:** In a field environment, given: three team members, an auto level, tripod, two Philadelphia rods, two rod levels, two marking stakes, a hammer, a calculator, recording forms, and a pencil.

**Standard:** Establish vertical control for a proposed construction project to within  $\pm 0.10$  feet times the square root of the distance in miles.

**Remarks:**

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<b>Lesson Id / Version</b>	<b>Technique of Delivery</b>	<b>Hours</b>	<b>Method of Instruction</b>
12T10B02 / 1	(GP) Large Group Instruction		
	<b>Introduction:</b>	0.1	(CO) Conference / Discussion
		1.3	(TE) Test
		0.2	(TR) Test Review
	<b>Summary:</b>	0.1	(CO) Conference / Discussion
	<b>Total:</b>	<b>1.7</b>	

**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

**Security Clearance:** Unclassified

**Lesson Title:** Establish Vertical Control Exam

**Action Text:** Establish Vertical Control Exam

**Condition:** In a field environment, given: an exam booklet, answer sheet, pencil, and a calculator.

**Standard:** Establish vertical control by achieving a minimum of 70% on the written exam within 1 hour and 15 minutes.

**Remarks:**

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10B03 / 1	(GP) Large Group Instruction		
	<b>Introduction:</b>	0.1	(CO) Conference / Discussion
		4.6	(CO) Conference / Discussion
		7.6	(DM) Demonstration
		43.7	(PE) Practical Exercise (Performance)
	<b>Summary:</b>	0.1	(CO) Conference / Discussion
	<b>Total:</b>	56.1	

**Security Clearance:** Unclassified

**Lesson Title:** Establish Project Control

**Action Text:** Establish Project Control

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

**Standard:** Establish project control by performing a traverse survey consisting of setting up, leveling, and traversing at least 3 points with a linear error of closure of 1:5,000 or better and an average angular error of closure of 10 seconds per station or less and determine actual coordinates of points using GPS system.

**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](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>
12T10B04 / 1	(GP) Large Group Instruction		
	<b>Introduction:</b>	0.1	(CO) Conference / Discussion
		3.6	(TE) Test
		0.6	(TR) Test Review
	<b>Summary:</b>	0.1	(CO) Conference / Discussion
	<b>Total:</b>	4.4	

**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

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**Security Clearance:** Unclassified

**Lesson Title:** Establish Project Control Exam

**Action Text:** Establish Project Control Exam

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

**Standard:** Establish project control by performing a traverse survey consisting of setting up, leveling, and traversing at least 3 points with a linear error of closure of 1:5,000 or better and an average angular error of closure of 10 seconds per station or less and determine actual coordinates of points using GPS system within 3 hours 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](http://www.trimble.com/trimblerinex_ts.asp).

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**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

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**Mandatory Training Module**

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None.

**Course:** 413-12T10  
**Course Name:** Technical Engineer  
**Management Category:** Resident  
**Status:** Commandant Approved

**Version:** 1      **Delivery Group:** A      **Phase:** 1  
**Preparation Date:** 22 Jul 2010  
**Optimum Class Size:** 24

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**Examination Module**

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**Module:** A / 1

**Title:** Drafting

**Purpose:** Provides training in Computer Aided Drafting (CAD) that includes architectural graphics, architectural/utility drawings, civil drawings, and drawing production/reproduction.

**Remarks:** Army, Navy, Air Force, and Marine Corps personnel attend training in this module.

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10A03 / 1	(GP) Large Group Instruction	2.6	(TE) Test
Total:		2.6	

**Security Clearance for Exam/Test:** Unclassified

**Lesson Title:** Prepare Preliminary Drafting Sketches Exam

**Action Text:** Prepare Preliminary Drafting Sketches Exam

**Condition:** In a classroom environment, given: a drafting scale, drafting triangles, pencil, eraser, graph paper, tape, and student guide with prepared drafting sketches.

**Standard:** Prepare preliminary drafting sketches depicting complete representation of a building, proportionally drawn with all required dimensions to properly locate all interior walls, exterior walls, door openings, and window openings. Sketch will be completed within 2 hours and 30 minutes.

**Remarks:**

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<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10A05 / 1	(GP) Large Group Instruction	3.6	(TE) Test
Total:		3.6	

**Security Clearance for Exam/Test:** Unclassified

**Lesson Title:** Prepare Floor Plan and Foundation Plan Drawings Exam

**Action Text:** Prepare Floor Plan and Foundation Plan Drawings Exam

**Condition:** In a classroom environment, given: a computer with AutoCAD, and student guide with prepared floor plan and foundation plan drawings, and exam booklet.

**Standard:** Prepare a floor plan and a foundation plan drawing accurate to within  $\pm 1/16$  of an inch, with correct graphics and accurate dimensions in accordance with sketches and specifications provided in the exam booklet and completed within 3 hours and 30 minutes.

**Remarks:**

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<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10A07 / 1	(GP) Large Group Instruction	2.6	(TE) Test

**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10A07 / 1	(GP) Large Group Instruction		
		Total:	2.6

**Security Clearance for Exam/Test:** Unclassified

**Lesson Title:** Prepare a Utility Plan/Drawing Exam

**Action Text:** Prepare a Utility Plan/Drawing Exam

**Condition:** In a classroom environment, given: a computer with AutoCAD, student guide with prepared utility drawings, and exam booklet.

**Standard:** Prepare a utility plan/drawing showing all fixtures, connections, and schedules, with symbols in accordance with sketches, designs, and specifications provided in exam booklet. Drawing will be accurate to  $\pm 1/16$  of an inch and completed within 2 hours and 30 minutes.

**Remarks:**

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10A09 / 1	(GP) Large Group Instruction		
		4.6	(TE) Test
		Total:	4.6

**Security Clearance for Exam/Test:** Unclassified

**Lesson Title:** Prepare Architectural Drawings Exam

**Action Text:** Prepare Architectural Drawings Exam

**Condition:** In a classroom environment, given: a computer with AutoCAD, printer/plotter with paper, student guide with prepared architectural drawings, and exam booklet.

**Standard:** Prepare architectural drawings consisting of a building elevation, a sectional drawing, and a detail drawing. Drawings will be accurate to within  $\pm 1/16$  of an inch in accordance with sketches and specifications provided in the exam booklet and completed within 4 hours and 30 minutes.

**Remarks:**



**Course:** 413-12T10  
**Course Name:** Technical Engineer  
**Management Category:** Resident  
**Status:** Commandant Approved

**Version:** 1      **Delivery Group:** A      **Phase:** 1  
**Preparation Date:** 22 Jul 2010  
**Optimum Class Size:** 24

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**Module:** B / 1

**Title:** Surveying

**Purpose:** Provides training in construction surveying that consists of differential leveling and establishing project control.

**Remarks:** Army, Navy, Air Force, and Marine Corps personnel attend training in this module.

<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10B02 / 1	(GP) Large Group Instruction	1.3	(TE) Test
		Total:	1.3

**Security Clearance for Exam/Test:** Unclassified

**Lesson Title:** Establish Vertical Control Exam

**Action Text:** Establish Vertical Control Exam

**Condition:** In a field environment, given: an exam booklet, answer sheet, pencil, and a calculator.

**Standard:** Establish vertical control by achieving a minimum of 70% on the written exam within 1 hour and 15 minutes.

**Remarks:**

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<u>Lesson Id / Version</u>	<u>Technique of Delivery</u>	<u>Hours</u>	<u>Method of Instruction</u>
12T10B04 / 1	(GP) Large Group Instruction	3.6	(TE) Test
		Total:	3.6

**Security Clearance for Exam/Test:** Unclassified

**Lesson Title:** Establish Project Control Exam

**Action Text:** Establish Project Control Exam

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

**Standard:** Establish project control by performing a traverse survey consisting of setting up, leveling, and traversing at least 3 points with a linear error of closure of 1:5,000 or better and an average angular error of closure of 10 seconds per station or less and determine actual coordinates of points using GPS system within 3 hours 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](http://www.trimble.com/trimblerinex_ts.asp).

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Course: 413-12T10

Version: 1

Delivery Group: A Phase: 1

Course Name: Technical Engineer

Management Category: Resident

Preparation Date: 22 Jul 2010

Status: Commandant Approved

Optimum Class Size: 24

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### Individual Task Summary - Lessons

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<u>Task</u>	<u>Title</u>	<u>Lesson / Ver</u>	<u>Critical Task</u>
052-243-1235	Prepare a Floor Plan Drawing	12T10A04 / 1	Yes
052-243-1236	Prepare a Foundation Drawing	12T10A04 / 1	Yes
052-243-1237	Prepare a Building Elevation Drawing	12T10A08 / 1	Yes
052-243-1239	Prepare a Sectional-View Drawing	12T10A08 / 1	Yes
052-243-1240	Prepare a Detail Drawing	12T10A08 / 1	Yes
052-243-1241	Prepare a Utility Plan/Drawing	12T10A06 / 1	Yes
052-243-1248	Perform a Traverse Survey	12T10B03 / 1	Yes
052-243-1303	Perform Differential Leveling	12T10B01 / 1	Yes
052-243-1512	Establish Temporary Control Points	12T10B03 / 1	Yes
052-243-1532	Prepare Preliminary Drafting Sketches	12T10A02 / 1	Yes
052-243-1539	Perform Static Survey with Differential Global Positioning System (DGPS)	12T10B03 / 1	Yes
052-243-1543	Set Up a Target Set	12T10B03 / 1	Yes
052-243-1544	Perform as a Rodman	12T10B01 / 1	Yes
052-243-1545	Perform Operator Maintenance on Survey Equipment	12T10B03 / 1	Yes
052-243-1546	Operate the Automated Integrated Surveying Instrument (AISI)	12T10B03 / 1	Yes
052-243-1548	Record Level Data	12T10B01 / 1	Yes
052-243-1549	Check Field Notes and Abstracts for Errors	12T10B01 / 1	Yes
052-243-1553	Check Level Data	12T10B01 / 1	Yes
052-243-1554	Download Data from the Differential Global Positioning System (DGPS) Receiver	12T10B03 / 1	Yes
052-243-1555	Process Differential Global Positioning System (DGPS) Data	12T10B03 / 1	Yes

**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

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**Collective Task Summary - Lessons**

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None.

**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

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**Ammunition Summary - Lesson**

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None

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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

**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>
12T10A02 / 1	TLO	1	1:24	0.0	0.0	7.8	7.8
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>7.8</b>	<b>7.8</b>
12T10A03 / 1	TLO	1	1:24	0.0	0.0	3.0	3.0
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>3.0</b>	<b>3.0</b>
12T10A04 / 1	TLO	1	1:24	0.0	0.0	79.7	79.7
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>79.7</b>	<b>79.7</b>
12T10A05 / 1	TLO	1	1:24	0.0	0.0	4.0	4.0
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>4.0</b>	<b>4.0</b>
12T10A06 / 1	TLO	1	1:24	0.0	0.0	28.3	28.3
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>28.3</b>	<b>28.3</b>
12T10A07 / 1	TLO	1	1:24	0.0	0.0	3.0	3.0
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>3.0</b>	<b>3.0</b>
12T10A08 / 1	TLO	1	1:24	0.0	0.0	27.7	27.7
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>27.7</b>	<b>27.7</b>
12T10A09 / 1	TLO	1	1:24	0.0	0.0	4.9	4.9
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>4.9</b>	<b>4.9</b>
12T10B01 / 1	TLO	1	1:24	0.0	0.0	31.8	31.8
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>31.8</b>	<b>31.8</b>
12T10B02 / 1	TLO	1	1:24	0.0	0.0	1.5	1.5
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>1.5</b>	<b>1.5</b>
12T10B03 / 1	TLO	1	1:24	0.0	0.0	55.9	55.9
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>55.9</b>	<b>55.9</b>
12T10B04 / 1	TLO	1	1:24	0.0	0.0	6.0	6.0
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>6.0</b>	<b>6.0</b>
<b>Facility Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>253.6</b>	<b>253.6</b>

**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>
12T10B01 / 1	TLO	1	1:24	0.0	0.0	31.8	31.8
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>31.8</b>	<b>31.8</b>
12T10B03 / 1	TLO	1	1:24	0.0	0.0	55.9	55.9
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>55.9</b>	<b>55.9</b>
12T10B04 / 1	TLO	1	1:24	0.0	0.0	6.0	6.0

**Course:** 413-12T10  
**Course Name:** Technical Engineer  
**Management Category:** Resident  
**Status:** Commandant Approved

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

**Preparation Date:** 22 Jul 2010  
**Optimum Class Size:** 24

<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>
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>6.0</b>	<b>6.0</b>
<b>Facility Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>93.7</b>	<b>93.7</b>

**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>
12T10B01 / 1	TLO	1	1:24	0.0	0.0	31.8	31.8
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>31.8</b>	<b>31.8</b>
12T10B03 / 1	TLO	1	1:24	0.0	0.0	55.9	55.9
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>55.9</b>	<b>55.9</b>
12T10B04 / 1	TLO	1	1:24	0.0	0.0	6.0	6.0
<b>Lesson Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>6.0</b>	<b>6.0</b>
<b>Facility Total:</b>				<b>0.0</b>	<b>0.0</b>	<b>93.7</b>	<b>93.7</b>

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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

**Equipment Summary - Lessons**

**Expendable:**

**NSN (LIN):** 6675-00-190-5862      Triangle, Drafting, 45D

<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>	
12T10A02 / 1	TLO	1:1	24	3	0	27	0.0	0.0
<b>Lesson Total:</b>			<b>24</b>	<b>3</b>	<b>0</b>	<b>27</b>	<b>0.0</b>	<b>0.0</b>
12T10A03 / 1	TLO	1:1	24	2	0	26	0.0	0.0
<b>Lesson Total:</b>			<b>24</b>	<b>2</b>	<b>0</b>	<b>26</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Total:</b>			<b>48</b>	<b>5</b>	<b>0</b>	<b>53</b>	<b>0.0</b>	<b>0.0</b>

**NSN (LIN):** 6675-00-190-5866      Triangle, Drafting

<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>	
12T10A02 / 1	TLO	1:1	24	3	0	27	0.0	0.0
<b>Lesson Total:</b>			<b>24</b>	<b>3</b>	<b>0</b>	<b>27</b>	<b>0.0</b>	<b>0.0</b>
12T10A03 / 1	TLO	1:1	24	2	0	26	0.0	0.0
<b>Lesson Total:</b>			<b>24</b>	<b>2</b>	<b>0</b>	<b>26</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Total:</b>			<b>48</b>	<b>5</b>	<b>0</b>	<b>53</b>	<b>0.0</b>	<b>0.0</b>

**NSN (LIN):** 6675-00-238-3498      Scale, Drafting

<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>	
12T10A02 / 1	TLO	1:1	24	3	0	27	0.0	0.0
<b>Lesson Total:</b>			<b>24</b>	<b>3</b>	<b>0</b>	<b>27</b>	<b>0.0</b>	<b>0.0</b>
12T10A03 / 1	TLO	1:1	24	2	0	26	0.0	0.0
<b>Lesson Total:</b>			<b>24</b>	<b>2</b>	<b>0</b>	<b>26</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Total:</b>			<b>48</b>	<b>5</b>	<b>0</b>	<b>53</b>	<b>0.0</b>	<b>0.0</b>

**NSN (LIN):** 6675-00-252-1079      Rod, Level

<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>	
12T10B01 / 1	TLO	1:1	24	0	2	26	0.0	0.0
<b>Lesson Total:</b>			<b>24</b>	<b>0</b>	<b>2</b>	<b>26</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Total:</b>			<b>24</b>	<b>0</b>	<b>2</b>	<b>26</b>	<b>0.0</b>	<b>0.0</b>

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

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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>	
12T10B01 / 1	TLO	1:1	24	0	2	26	0.0	0.0
<b>Lesson Total:</b>			<b>24</b>	<b>0</b>	<b>2</b>	<b>26</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Total:</b>			<b>24</b>	<b>0</b>	<b>2</b>	<b>26</b>	<b>0.0</b>	<b>0.0</b>

**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>	
12T10B01 / 1	TLO	1:1	24	4	5	33	0.0	0.0
<b>Lesson Total:</b>			<b>24</b>	<b>4</b>	<b>5</b>	<b>33</b>	<b>0.0</b>	<b>0.0</b>
12T10B02 / 1	TLO	1:1	24	1	5	30	0.0	0.0
<b>Lesson Total:</b>			<b>24</b>	<b>1</b>	<b>5</b>	<b>30</b>	<b>0.0</b>	<b>0.0</b>
12T10B03 / 1	TLO	1:1	24	4	5	33	0.0	0.0
<b>Lesson Total:</b>			<b>24</b>	<b>4</b>	<b>5</b>	<b>33</b>	<b>0.0</b>	<b>0.0</b>
12T10B04 / 1	TLO	1:1	24	4	5	33	0.0	0.0
<b>Lesson Total:</b>			<b>24</b>	<b>4</b>	<b>5</b>	<b>33</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Total:</b>			<b>96</b>	<b>13</b>	<b>20</b>	<b>129</b>	<b>0.0</b>	<b>0.0</b>

**NSN (LIN):** 7510-00-223-7046      Eraser, Rubber

<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>	
12T10A02 / 1	TLO		0	0	3	3	0.0	0.0
<b>Lesson Total:</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0.0</b>	<b>0.0</b>
12T10A03 / 1	TLO		0	0	3	3	0.0	0.0
<b>Lesson Total:</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Total:</b>			<b>0</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>0.0</b>	<b>0.0</b>

**NSN (LIN):** 7510-00-551-9824      Tape, Pressure Sensitive Adhesive (3/4 inches x 72 yards)

<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>	
12T10A02 / 1	TLO	1:12	2	0	0	2	0.0	0.0
<b>Lesson Total:</b>			<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0.0</b>	<b>0.0</b>
12T10A03 / 1	TLO	1:12	2	0	0	2	0.0	0.0
<b>Lesson Total:</b>			<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Total:</b>			<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0.0</b>	<b>0.0</b>

**NSN (LIN):** 7520-01-132-4996      Pencil, Mechanical



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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>	
12T10A02 / 1	TLO		0	0	3	3	0.0	0.0
<b>Lesson Total:</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0.0</b>	<b>0.0</b>
12T10A03 / 1	TLO		0	0	3	3	0.0	0.0
<b>Lesson Total:</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0.0</b>	<b>0.0</b>
12T10B01 / 1	TLO		0	0	3	3	0.0	0.0
<b>Lesson Total:</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0.0</b>	<b>0.0</b>
12T10B02 / 1	TLO		0	0	3	3	0.0	0.0
<b>Lesson Total:</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0.0</b>	<b>0.0</b>
12T10B03 / 1	TLO		0	0	3	3	0.0	0.0
<b>Lesson Total:</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0.0</b>	<b>0.0</b>
12T10B04 / 1	TLO		0	0	3	3	0.0	0.0
<b>Lesson Total:</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Total:</b>			<b>0</b>	<b>0</b>	<b>18</b>	<b>18</b>	<b>0.0</b>	<b>0.0</b>

**NSN (LIN):** 7530-00-558-1153      Paper, Graph

<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>	
12T10A02 / 1	TLO		0	0	15	15	0.0	0.0
<b>Lesson Total:</b>			<b>0</b>	<b>0</b>	<b>15</b>	<b>15</b>	<b>0.0</b>	<b>0.0</b>
12T10A03 / 1	TLO		0	0	5	5	0.0	0.0
<b>Lesson Total:</b>			<b>0</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Total:</b>			<b>0</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>0.0</b>	<b>0.0</b>

**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>	
12T10A08 / 1	TLO		0	0	3	3	0.0	0.0
<b>Lesson Total:</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Total:</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0.0</b>	<b>0.0</b>

**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>	
12T10B01 / 1	TLO	1:2	12	0	0	12	0.0	0.0
<b>Lesson Max:</b>			<b>12</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Max:</b>			<b>12</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0.0</b>	<b>0.0</b>

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

**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>	
12T10B01 / 1	TLO	1:4	6	0	2	8	0.0	16.0
<b>Lesson Max:</b>			<b>6</b>	<b>0</b>	<b>2</b>	<b>8</b>	<b>0.0</b>	<b>16.0</b>
12T10B03 / 1	TLO	1:1	24	0	2	26	0.0	25.0
<b>Lesson Max:</b>			<b>24</b>	<b>0</b>	<b>2</b>	<b>26</b>	<b>0.0</b>	<b>25.0</b>
12T10B04 / 1	TLO	1:1	24	0	2	26	0.0	3.6
<b>Lesson Max:</b>			<b>24</b>	<b>0</b>	<b>2</b>	<b>26</b>	<b>0.0</b>	<b>3.6</b>
<b>NSN (LIN) Max:</b>			<b>24</b>	<b>0</b>	<b>2</b>	<b>26</b>	<b>0.0</b>	<b>44.6</b>

**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>	
12T10B01 / 1	TLO	1:4	6	0	2	8	0.0	0.0
<b>Lesson Max:</b>			<b>6</b>	<b>0</b>	<b>2</b>	<b>8</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Max:</b>			<b>6</b>	<b>0</b>	<b>2</b>	<b>8</b>	<b>0.0</b>	<b>0.0</b>

**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>	
12T10B03 / 1	TLO	1:3	8	0	2	10	0.0	25.0
<b>Lesson Max:</b>			<b>8</b>	<b>0</b>	<b>2</b>	<b>10</b>	<b>0.0</b>	<b>25.0</b>
<b>Remarks:</b> TLO Trimble 5601 Set								
12T10B04 / 1	TLO	1:3	8	0	2	10	0.0	3.6
<b>Lesson Max:</b>			<b>8</b>	<b>0</b>	<b>2</b>	<b>10</b>	<b>0.0</b>	<b>3.6</b>
<b>Remarks:</b> TLO Trimble 5601								
<b>NSN (LIN) Max:</b>			<b>8</b>	<b>0</b>	<b>2</b>	<b>10</b>	<b>0.0</b>	<b>28.6</b>

**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>	
12T10B03 / 1	TLO		0	0	31	31	0.0	0.0
<b>Lesson Max:</b>			<b>0</b>	<b>0</b>	<b>31</b>	<b>31</b>	<b>0.0</b>	<b>0.0</b>
12T10B04 / 1	TLO		0	0	31	31	0.0	0.0
<b>Lesson Max:</b>			<b>0</b>	<b>0</b>	<b>31</b>	<b>31</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Max:</b>			<b>0</b>	<b>0</b>	<b>31</b>	<b>31</b>	<b>0.0</b>	<b>0.0</b>

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

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
12T10A04 / 1	TLO		0	0	30	30	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	30	30	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	30	30	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	30	30	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	30	30	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	30	30	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	30	30	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	30	30	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	30	30	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>0.0 0.0</b>

NSN (LIN): 7000-21-000-0165 Software, AutoCad

<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>
12T10A04 / 1	TLO		0	0	31	31	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>31</b>	<b>31</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	31	31	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>31</b>	<b>31</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	31	31	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>31</b>	<b>31</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	31	31	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>31</b>	<b>31</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	31	31	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>31</b>	<b>31</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	31	31	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>31</b>	<b>31</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>31</b>	<b>31</b>	<b>0.0 0.0</b>

NSN (LIN): 7000-21-000-0328 Stakes, Marker, Red, 10 inches

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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>	
12T10B01 / 1	TLO	1:2	12	0	0	12	0.0	0.0
<b>Lesson Max:</b>			<b>12</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Max:</b>			<b>12</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0.0</b>	<b>0.0</b>

**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>	
12T10A02 / 1	TLO		0	0	1	1	0.0	0.0
<b>Lesson Max:</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0</b>	<b>0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0	0.0
<b>Lesson Max:</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0</b>	<b>0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0	0.0
<b>Lesson Max:</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0</b>	<b>0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0	0.0
<b>Lesson Max:</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0</b>	<b>0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0	0.0
<b>Lesson Max:</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0</b>	<b>0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0	0.0
<b>Lesson Max:</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0</b>	<b>0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0	0.0
<b>Lesson Max:</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0</b>	<b>0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0	0.0
<b>Lesson Max:</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0</b>	<b>0.0</b>
12T10B01 / 1	TLO	0:0	0	0	1	1	0.0	0.0
<b>Lesson Max:</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0</b>	<b>0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0	0.0
<b>Lesson Max:</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0</b>	<b>0.0</b>
12T10B03 / 1	TLO	0:0	0	0	1	1	0.0	0.0
<b>Lesson Max:</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0</b>	<b>0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0	0.0
<b>Lesson Max:</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0</b>	<b>0.0</b>
<b>NSN (LIN) Max:</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0</b>	<b>0.0</b>

**NSN (LIN):** 7025-01-242-7823

Plotter, Computer Aided Drafting

<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>	
12T10A08 / 1	TLO		0	0	3	3	0.0	0.0

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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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	3	3	0.0	0.0
NSN (LIN) Max:			0	0	3	3	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>	
12T10A08 / 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):** 7530-01-243-1061      Paper, Plotter

<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>	
12T10A08 / 1	TLO		0	0	5	5	0.0	0.0
Lesson Max:			0	0	5	5	0.0	0.0
NSN (LIN) Max:			0	0	5	5	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>	
12T10B03 / 1	TLO	1:2	12	4	2	18	0.0	0.0
Lesson Max:			12	4	2	18	0.0	0.0

Remarks: TLO Ordering POC is Trimble, Jack Patton at (937)245-5300

12T10B04 / 1	TLO	1:2	12	0	2	14	0.0	0.0
Lesson Max:			12	0	2	14	0.0	0.0

Remarks: TLO Ordering POC is Trimble, Jack Patton at (937)245-5300

NSN (LIN) Max:			12	4	2	18	0.0	0.0
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Course: 413-12T10  
 Course Name: Technical Engineer  
 Management Category: Resident  
 Status: Commandant Approved

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

**Training Support Equipment - Lessons**

**Non-Expendable:**

**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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

**NSN (LIN):** 7000-21-000-0355      Screen 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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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>
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO	0:0	0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO	0:0	0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0



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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO	0:0	0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		0	0	1	1	0.0 0.0

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

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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):** 7000-21-000-0363 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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B04 / 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):** 7000-21-000-0364 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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0

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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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>
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		0	0	1	1	0.0 0.0

**NSN (LIN):** 7000-21-000-0368 Crestron Lighting Controller



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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

**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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

**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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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):** 7000-21-000-0387      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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B04 / 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):** 7000-21-000-0388      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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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>
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		0	0	1	1	0.0 0.0

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

VCR / DVD Player

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO	0:0	0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>



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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

**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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
12T10B01 / 1	TLO	0:0	0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

**NSN (LIN):** 7000-21-000-0395      Lavalier 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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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):** 7000-21-000-0396 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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B04 / 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):** 7000-21-000-0397 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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0

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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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>
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0

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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		0	0	1	1	0.0 0.0

**NSN (LIN):** 7000-21-000-0401      Document Camera

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

**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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>



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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

**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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010

Optimum Class Size: 24

<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):** 7000-21-000-0405 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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10B04 / 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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
Lesson Max:			0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0

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

Version: 1      Delivery Group: A      Phase: 1  
 Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

**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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A05 / 1	TLO	0:0	0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0

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

Version: 1 Delivery Group: A Phase: 1

Preparation Date: 22 Jul 2010  
 Optimum Class Size: 24

<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>
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
	<b>NSN (LIN) Max:</b>		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>
12T10A02 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A05 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A06 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A07 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A08 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10A09 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B01 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		0	0	1	1	0.0 0.0
12T10B02 / 1	TLO		0	0	1	1	0.0 0.0

**Course:** 413-12T10  
**Course Name:** Technical Engineer  
**Management Category:** Resident  
**Status:** Commandant Approved

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

**Preparation Date:** 22 Jul 2010

**Optimum Class Size:** 24

<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>
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B03 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
12T10B04 / 1	TLO		0	0	1	1	0.0 0.0
	<b>Lesson Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>
	<b>NSN (LIN) Max:</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0.0 0.0</b>

**Course:** 413-12T10  
**Course Name:** Technical Engineer  
**Management Category:** Resident  
**Status:** Commandant Approved

**Version:** 1      **Delivery Group:** A      **Phase:** 1  
**Preparation Date:** 22 Jul 2010  
**Optimum Class Size:** 24

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**Support Personnel Summary - Lesson**

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**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>
12T10A02 / 1	0	2	2.5
12T10A03 / 1	0	1	2.6
12T10A04 / 1	0	2	70.5
12T10A05 / 1	0	1	3.6
12T10A06 / 1	0	2	25.3
12T10A07 / 1	0	1	2.6
12T10A08 / 1	0	2	26.2
12T10A09 / 1	0	1	4.6
12T10B01 / 1	0	3	25.8
12T10B03 / 1	0	3	46.7
12T10B04 / 1	0	3	3.6
<b>Totals</b>	<b>0</b>	<b>21</b>	<b>214.0</b>

**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

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**TADSS Summary - Lessons**

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None.

**Course:** 413-12T10  
**Course Name:** Technical Engineer  
**Management Category:** Resident  
**Status:** Commandant Approved

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

**Preparation Date:** 22 Jul 2010

**Optimum Class Size:** 24

**MRAD Headquarters Validation**

**Module:** A / 1

**Lesson:** 12T10A01 / 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	0.0	1:24	0.0
Summary	Conference / Discussion	0.0	1:24	0.0
		Lesson Subtotal:	0.0	0.0
		MRAD Subtotal:	0.0	0.0

**Module:** A / 1

**Lesson:** 12T10A02 / 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	1:24	0.1
ELO A ( 1)	Conference / Discussion	0.9	1:24	0.9
ELO A ( 2)	Conference / Discussion	2.5	1:24	2.5
ELO A ( 3)	Conference / Discussion	1.9	1:24	1.9
ELO A ( 4)	Practical Exercise (Performance)	2.5	1:8	7.5
Summary	Conference / Discussion	0.1	1:24	0.1
		Lesson Subtotal:	8.0	13.0
		MRAD Subtotal:	8.0	13.0

**Module:** A / 1

**Lesson:** 12T10A03 / 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	1:24	0.1
TLO ( 1)	Test	2.6	1:12	5.2
TLO ( 2)	Test Review	0.4	1:24	0.4
Summary	Conference / Discussion	0.1	1:24	0.1
		Lesson Subtotal:	3.2	5.8
		MRAD Subtotal:	3.2	5.8



**Course:** 413-12T10  
**Course Name:** Technical Engineer  
**Management Category:** Resident  
**Status:** Commandant Approved

**Version:** 1      **Delivery Group:** A      **Phase:** 1  
**Preparation Date:** 22 Jul 2010  
**Optimum Class Size:** 24

**Module:** A / 1

**Lesson:** 12T10A04 / 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	1:24	0.1
ELO A ( 1)	Conference / Discussion	0.7	1:24	0.7
ELO A ( 2)	Conference / Discussion	2.5	1:24	2.5
ELO A ( 3)	Conference / Discussion	2.0	1:24	2.0
ELO A ( 4)	Conference / Discussion	2.0	1:24	2.0
ELO B ( 3)	Demonstration	1.0	1:8	3.0
ELO B ( 5)	Demonstration	3.0	1:8	9.0
ELO B (10)	Demonstration	3.0	1:8	9.0
ELO B (11)	Demonstration	5.0	1:8	15.0
ELO C ( 2)	Demonstration	3.0	1:8	9.0
ELO C ( 3)	Practical Exercise (Performance)	5.0	1:12	10.0
ELO C ( 4)	Practical Exercise (Performance)	5.0	1:8	15.0
ELO C ( 5)	Demonstration	3.0	1:8	9.0
ELO D ( 1)	Conference / Discussion	2.0	1:24	2.0
ELO D ( 2)	Demonstration	1.0	1:8	3.0
ELO D ( 3)	Practical Exercise (Performance)	5.0	1:12	10.0
ELO D ( 4)	Practical Exercise (Performance)	4.0	1:12	8.0
ELO B ( 1)	Demonstration	2.0	1:8	6.0
ELO B ( 2)	Demonstration	2.0	1:12	4.0
ELO B ( 4)	Demonstration	3.0	1:8	9.0
ELO B ( 6)	Demonstration	2.5	1:8	7.5
ELO B ( 7)	Demonstration	1.5	1:8	4.5
ELO B ( 8)	Demonstration	2.0	1:8	6.0
ELO B ( 9)	Practical Exercise (Performance)	6.0	1:8	18.0
ELO B (12)	Demonstration	4.5	1:8	13.5
ELO C ( 1)	Demonstration	1.0	1:8	3.0
ELO C ( 6)	Demonstration	3.5	1:8	10.5
ELO C ( 7)	Practical Exercise (Performance)	4.5	1:12	9.0
Summary	Conference / Discussion	0.1	1:24	0.1
Lesson Subtotal:		79.9		200.4
MRAD Subtotal:		79.9		200.4

**Course:** 413-12T10  
**Course Name:** Technical Engineer  
**Management Category:** Resident  
**Status:** Commandant Approved

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

**Preparation Date:** 22 Jul 2010  
**Optimum Class Size:** 24

**Module:** A / 1                      **Lesson:** 12T10A05 / 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	1:24	0.1
TLO ( 1)	Test	3.6	1:12	7.2
TLO ( 2)	Test Review	0.4	1:24	0.4
Summary	Conference / Discussion	0.1	1:24	0.1
Lesson Subtotal:		4.2		7.8
MRAD Subtotal:		4.2		7.8

**Module:** A / 1                      **Lesson:** 12T10A06 / 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	1:24	0.1
ELO A ( 1)	Conference / Discussion	1.0	1:24	1.0
ELO A ( 2)	Demonstration	3.0	1:8	9.0
ELO A ( 3)	Practical Exercise (Performance)	4.0	1:12	8.0
ELO B ( 1)	Conference / Discussion	1.0	1:24	1.0
ELO B ( 2)	Demonstration	2.5	1:8	7.5
ELO B ( 3)	Practical Exercise (Performance)	4.6	1:12	9.2
ELO C ( 1)	Conference / Discussion	1.0	1:24	1.0
ELO C ( 2)	Demonstration	2.6	1:8	7.8
ELO C ( 3)	Practical Exercise (Performance)	4.6	1:12	9.2
ELO C ( 4)	Practical Exercise (Performance)	4.0	1:12	8.0
Summary	Conference / Discussion	0.1	1:24	0.1
Lesson Subtotal:		28.5		61.9
MRAD Subtotal:		28.5		61.9

**Module:** A / 1                      **Lesson:** 12T10A07 / 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	1:24	0.1
TLO ( 1)	Test	2.6	1:12	5.2
TLO ( 2)	Test Review	0.4	1:24	0.4
Summary	Conference / Discussion	0.1	1:24	0.1
Lesson Subtotal:		3.2		5.8
MRAD Subtotal:		3.2		5.8

**Course:** 413-12T10  
**Course Name:** Technical Engineer  
**Management Category:** Resident  
**Status:** Commandant Approved

**Version:** 1      **Delivery Group:** A      **Phase:** 1  
**Preparation Date:** 22 Jul 2010  
**Optimum Class Size:** 24

**Module:** A / 1                      **Lesson:** 12T10A08 / 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	1:24	0.1
ELO A ( 1)	Conference / Discussion	1.0	1:24	1.0
ELO A ( 2)	Demonstration	3.0	1:8	9.0
ELO A ( 3)	Practical Exercise (Performance)	4.0	1:12	8.0
ELO A ( 4)	Demonstration	4.0	1:8	12.0
ELO A ( 5)	Practical Exercise (Performance)	4.0	1:12	8.0
ELO B ( 1)	Demonstration	1.0	1:8	3.0
ELO B ( 2)	Practical Exercise (Performance)	2.5	1:12	5.0
ELO C ( 1)	Demonstration	1.0	1:8	3.0
ELO C ( 2)	Practical Exercise (Performance)	2.6	1:12	5.2
ELO D ( 1)	Demonstration	0.5	1:24	0.5
ELO D ( 2)	Practical Exercise (Performance)	0.5	1:12	1.0
ELO D ( 3)	Practical Exercise (Performance)	3.6	1:12	7.2
Summary	Conference / Discussion	0.1	1:24	0.1
Lesson Subtotal:		27.9		63.1
MRAD Subtotal:		27.9		63.1

**Module:** A / 1                      **Lesson:** 12T10A09 / 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	1:24	0.1
TLO ( 1)	Test	4.6	1:12	9.2
TLO ( 2)	Test Review	0.3	1:24	0.3
Summary	Conference / Discussion	0.1	1:24	0.1
Lesson Subtotal:		5.1		9.7
MRAD Subtotal:		5.1		9.7

**Module:** B / 1                      **Lesson:** 12T10B01 / 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	1:24	0.1
ELO A ( 1)	Conference / Discussion	0.6	1:24	0.6
ELO A ( 2)	Practical Exercise (Hands-on)	1.6	1:6	6.4
ELO A ( 3)	Conference / Discussion	2.0	1:24	2.0
ELO A ( 4)	Practical Exercise (Written)	0.6	1:12	1.2
ELO A ( 5)	Conference / Discussion	0.6	1:24	0.6
ELO A ( 6)	Conference / Discussion	0.6	1:24	0.6
ELO A ( 7)	Conference / Discussion	1.6	1:24	1.6
ELO A ( 8)	Practical Exercise (Written)	3.6	1:12	7.2
ELO B ( 1)	Conference / Discussion	0.6	1:24	0.6
ELO B ( 2)	Practical Exercise (Written)	3.6	1:12	7.2
ELO B ( 3)	Demonstration	2.0	1:6	8.0

**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

**Module:** B / 1

**Lesson:** 12T10B01 / 1

<u>Step</u>	<u>Method of Instruction</u>	<u>Time of Instruction</u>	<u>Instructor to Student</u>	<u>ICH</u>
ELO B ( 4)	Practical Exercise (Performance)	14.4	1:6	57.6
Summary	Conference / Discussion	0.1	1:24	0.1
		-----	-----	-----
		Lesson Subtotal:	32.0	93.8
		MRAD Subtotal:	32.0	93.8

**Course:** 413-12T10  
**Course Name:** Technical Engineer  
**Management Category:** Resident  
**Status:** Commandant Approved

**Version:** 1      **Delivery Group:** A      **Phase:** 1  
**Preparation Date:** 22 Jul 2010  
**Optimum Class Size:** 24

**Module:** B / 1                      **Lesson:** 12T10B02 / 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	1:24	0.1
TLO ( 1)	Test	1.3	1:24	1.3
TLO ( 2)	Test Review	0.2	1:24	0.2
Summary	Conference / Discussion	0.1	1:24	0.1
Lesson Subtotal:		1.7		1.7
MRAD Subtotal:		1.7		1.7

**Module:** B / 1                      **Lesson:** 12T10B03 / 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	1:24	0.1
ELO A ( 1)	Conference / Discussion	0.6	1:24	0.6
ELO A ( 2)	Demonstration	0.6	1:24	0.6
ELO A ( 3)	Conference / Discussion	2.0	1:24	2.0
ELO B ( 1)	Demonstration	1.0	1:6	4.0
ELO B ( 2)	Practical Exercise (Performance)	4.0	1:6	16.0
ELO B ( 3)	Conference / Discussion	1.0	1:24	1.0
ELO B ( 4)	Demonstration	1.0	1:6	4.0
ELO B ( 5)	Practical Exercise (Performance)	6.0	1:6	24.0
ELO C ( 1)	Demonstration	1.0	1:6	4.0
ELO C ( 2)	Practical Exercise (Performance)	10.7	1:6	42.8
ELO D ( 1)	Demonstration	1.0	1:24	1.0
ELO D ( 2)	Practical Exercise (Performance)	1.0	1:12	2.0
ELO D ( 3)	Practical Exercise (Performance)	16.0	1:6	64.0
ELO E ( 1)	Conference / Discussion	1.0	1:24	1.0
ELO E ( 2)	Demonstration	1.0	1:24	1.0
ELO E ( 3)	Demonstration	1.0	1:24	1.0
ELO E ( 4)	Practical Exercise (Performance)	4.0	1:6	16.0
ELO E ( 5)	Demonstration	1.0	1:24	1.0
ELO E ( 6)	Practical Exercise (Performance)	2.0	1:12	4.0
Summary	Conference / Discussion	0.1	1:24	0.1
Lesson Subtotal:		56.1		190.2
MRAD Subtotal:		56.1		190.2

**Course:** 413-12T10  
**Course Name:** Technical Engineer  
**Management Category:** Resident  
**Status:** Commandant Approved

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

**Preparation Date:** 22 Jul 2010

**Optimum Class Size:** 24

**Module:** B / 1

**Lesson:** 12T10B04 / 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	1:24	0.1
TLO ( 1)	Test	3.6	1:6	14.4
TLO ( 2)	Test Review	0.6	1:24	0.6
Summary	Conference / Discussion	0.1	1:24	0.1
Lesson Subtotal:		4.4		15.2
MRAD Subtotal:		4.4		15.2
<b>Totals - Time of Instruction - Lesson:</b>		254.2	<b>ICH - Lesson:</b>	668.4
<b>MRAD:</b>		254.2	<b>MRAD:</b>	668.4
<b>Delta:</b>		0.0		0.0

**Course:** 413-12T10

**Version:** 1

**Delivery Group:** A **Phase:** 1

**Course Name:** Technical Engineer

**Management Category:** Resident

**Preparation Date:** 22 Jul 2010

**Status:** Commandant Approved

**Optimum Class Size:** 24

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**Headquarters Memorandum**

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None