ATLT-1100: INTRODUCTION TO INSPECTIONS: FIELD TABLETS IC3

Cuyahoga Community College

Viewing: ATLT-1100 : Introduction to Inspections: Field Tablets IC3

Board of Trustees:

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Academic Term:

Spring 2019

Subject Code

ATLT - AIT-Lifting Technologies

Course Number:

1100

Title:

Introduction to Inspections: Field Tablets IC3

Catalog Description:

Introductory course covering the rigging inspection connection process as performed on a mobile computer/tablet in the field. Includes utilizing an electronic tablet, the inspection data, and report delivered to the end user. Includes creating, maintaining, and organizaing an asset management system, "Inspection Connextion" IC3.

Credit Hour(s):

1

Lecture Hour(s):

1

Requisites

Prerequisite and Corequisite

Departmental approval: admission to Lifting Technologies apprenticeship program.

Outcomes

Course Outcome(s):

Demonstrate the ability to record rigging inspections data using a mobile computer (tablet) and utilizing Mazzella inspection connection (IC3) software.

Objective(s):

1. Identify and define the term related to rigging inspections
2. Identify the features, functions, and connections of the mobile computer tablet.
3. Recognize the IC3 basics including log in procedures, home page, and previous inspections and deletions-data.
4. Select and explain the IC3 download of inspections including sorting and filtering projects and assets.

Course Outcome(s):

Discuss the preview report including verifications and compliance requirements and apply the IC3 program.

Objective(s):

1. Generate a preview report including issues, conditions, and tests.
2. Select IC3 download inspections for verification and upload.
3. Apply inspection report generator for record keeping and customer compliance with regards to American Society of Mechanical Engineers (ASME) and Occupational Safety and Health Administration (OSHA) standards.
4. Identify and explain the different adjutant modules
5. Demonstrate the ability to input a rigging inspections data using a mobile computer tablet and the IC3 program.

Methods of Evaluation:
1. Participation
2. Assignments
3. Quizzes & Exams
4. Practical application projects

Course Content Outline:
1. Mobile Computer Tablet and IC3
    a. Terminology
        i. IC3
        ii. Tablet
        iii. Download
        iv. Upload
        v. Issue list
        vi. Preview report
        vii. Asset
        viii. Project
        ix. Report generator
        x. Inspection generator
        xi. Adjutant
        xii. RIFD
    b. Mobile Computer Tablet
        i. Features
            1. Touch screen
            2. Network access
            3. Keyboard
            4. Camera
            5. Stylus
        ii. Functions
            1. E-mail
            2. Printing
            3. Report generator
            4. Applications
            5. Compatibility
    c. IC3 basics
        i. Log in
        ii. Settings
        iii. Download
        iv. Upload
        v. Inspections lists
        vi. Preview report
        vii. Generator report
        viii. Deletions
        ix. Sort and filter
            1. Download of Inspections
                a. Filtering
                    i. Project
                    ii. Company
                    iii. Assets
                    iv. Serial numbers
                b. Sorting
                    i. Sequencing
                    ii. Display selection
    a. Input data
        i. Tablet
        ii. Program
        iii. Log in
        iv. Homepage
        v. Inspect screen

vi. Download
vii. Upload
viii. Setting
ix. Report delivery
1. Customer/owner
2. Findings
3. Resolution
2. Preview report
a. Generate
i. Issues
1. Welds
2. Identifications
3. Breaks
4. Distortions
5. Burns
6. Abrasions
ii. Conditions
1. Pass
2. Fail
3. Failures
a. Discard
b. Repair
iii. Tests
1. Proof
2. Magnetic particle
b. IC3 project
i. Preview inspection
ii. Edits
c. Report generator
i. Filter
ii. Options
1. Found items
2. Issues only
3. All items
iii. Record keeping
1. Compliance
2. Maintenance
3. Specific considerations
d. Adjutant Modules
i. Assets
1. Tag
2. Serial
3. Owner
4. Based on
5. Sub location
6. Type
7. Route
8. Radio frequency identification
9. Attributed
ii. Project management
1. Project number
2. Name
3. Customer
4. Ship to
5. Type
6. Status
7. Attributes
iii. Field inspection generator

       1. Customer
       2. Ship to
       3. Alternate route
       4. Contact
       5. Project number
       6. Mode
       7. Filters
       8. Select
       9. Generate

iv. Input data
       1. Tablet
       2. Program
       3. Log in
       4. Homepage
       5. Inspect screen
       6. Download
       7. Upload
       8. Setting
       9. Report delivery
          a. Customer/owner
          b. Findings
          c. Resolution

Resources Other

1. Mazzella Companies online documentation system (Zavanta). Zavanta.mazzellacompanies.com (http://Zavanta.mazzellacompanies.com)
2. Microsoft Surface User Guide. http://www.microsoft.com/surface/en-us/support/userguides
3. Abis Corporation Wiki. http://www.abiscorp.com/AdjWiki/Default.aspx

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