

DATA ITEM DESCRIPTION			Form Approved OMB No. 0704-0188	
2. TITLE OVERHEAD HOIST EVALUATION DATA		1. IDENTIFICATION NUMBER DI-QCIC- 80425		
3. DESCRIPTION/PURPOSE 3.1 This data will be used by the Government to obtain sufficient information for quality and compatibility determination, and for equality determination when proposed overhead hoists are not selected from the list of acceptable hoists.				
4. APPROVAL DATE (YYMMDD) 870826	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) N/FAC-DSO2	6a. DTIC REQUIRED	6b. GIDEP REQUIRED	
7. APPLICATION/INTERRELATIONSHIP 7.1 This DID contains the format and content preparation instructions for the data product generated by the specific and discrete task requirements delineated in the contract. 7.2 To be included in crane or hoist acquisition contracts which include standard or semi-standard unit type overhead hoists. 7.3 This DID supersedes DI-E-24030A.				
8. APPROVAL LIMITATION		9a. APPLICABLE FORMS		9b. AMSC NUMBER N4198
10. PREPARATION INSTRUCTIONS 10.1 <u>Format</u> : The Overhead Hoist Evaluation Data shall be in the contractor's format. 10.2 <u>Content</u> : The evaluation data shall be in sufficient quantity and depth to permit thorough technical evaluation for each hoist or hoist-and-trolley unit offered, and shall include the following: 10.2.1 <u>General Content</u> : <ul style="list-style-type: none"> a. Manufacturer's name, type, model number, or other identifying designation. b. Rated capacity (2000 lb tons). c. Lift distance. d. Layout showing headroom, clearances, approaches, wheel data, and overall dimensions. e. Type of gearing. f. Type of bearings. g. Sectional view of hoist. h. Exploded view of hoist. <div style="text-align: right;">(Continued on page 2)</div>				
11. DISTRIBUTION STATEMENT DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.				

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10. PREPARATION INSTRUCTIONS (cont'd)

10.2.2 For chain-operated units

- a. Chain data.
- b. Chain wheel diameters.

10.2.3 For air or electric motor operated units

- a. Reeving and rope data.
- b. Rated speeds of hoist and, where applicable, trolley.
- c. Motor data for hoist and where applicable, trolley.
- d. General control characteristics.
- e. Types and ratings for holding and load brakes.
- f. Manufacturer's name, type, model number, and ratings for limit stops.

10.2.4 Additional Data.

In addition to the evaluation data listed above, the following data shall be provided for each motor-operated unit offered under the "or equal" provisions of the contract:

- a. Drum diameter.
- b. Sheave diameter.
- c. Bearing life calculations.
- d. Gear strength and durability calculations (per American Gear Manufacturing Association).
- e. Materials, stress computations, and factors of safety for shafts and load bearing elements.