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USACE / CESAJ

DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS  
Jacksonville District - CESAJ-CO-CQ

CESAJ 01 32 10 (Apr 2006)  
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JACKSONVILLE DISTRICT LOCAL MASTER GUIDE SPECIFICATION

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SECTION 01 32 10

CONSTRUCTION PROGRESS DOCUMENTATION  
10/08

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NOTE: This local master specification has requirements for Bar Chart and "S" curve in addition to QCS Schedules.

Use this Section for CESAJ civil, small building, dredging jobs.

Use CESAJ 01320 Project Schedule when a network analysis system NAS schedule is required (buildings, complex projects.)

Comments and suggestions are welcome. Using E-mail for feedback is encouraged. Comments should be directed to:

Local Master POC - Kevin Winn, Design Branch,  
Specifications Section 904-232-2079  
kevin.h.winn@saj02.usace.army.mil.

Technical POC - Bruce Pastorini CESAJ-CQ-CQ  
904-232-1699 bruce.b.pastorini@saj02.usace.army.mil

DESIGN COORDINATION CHECKS

1 - Check with Construction or Area Office to ensure they do not prefer Network Analysis.

2 - Confirm with Mechanical Electrical that special equipment is or is not required to be tracked. Determine if the submittal is DO or AO reviewer.

3 - Check Section 01321 vs 01320 cross references in other DIV 01 sections.

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PART 1 GENERAL

1.1 SUBMITTALS

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**NOTE: Submittals must be limited to those necessary for adequate quality control. The importance of an item in the project should be one of the primary factors in determining if a submittal for the item should be required. HOWEVER, DO NOT FORGET TO FILL IN BLANKS AND/OR DELETE BRACKETED INFORMATION IF NOT APPLICABLE TO PROJECT.**  
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Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

QCS Schedules; G|RO

Bar Chart; G|RO

"S" Curve; G|RO

[Equipment Delivery Schedule; G| [DO] [RO]]

Progress Photographs

1.2 CONSTRUCTION SCHEDULES

Use work breakdown structure of "CLINs", "Features" and "Pay Activities". "CLINs" are Contract Line Item Numbers from bid schedule. "Features" are quality control grouping of like "Pay Activities" requiring similar quality control. "Pay Activities" are scheduled work activities or events. Most "Pay Activities" have resources (time, money, labor, material and equipment). Use "Pay Activities" with no dollars allocate to schedule administrative work activities or events.

1.2.1 QCS SCHEDULES

See Section [01 45 04 CONTRACTOR QUALITY CONTROL] [01 45 05 DREDGING/BEACH FILL PLACEMENT - CONTRACTOR QUALITY CONTROL]. After receipt of Notice of Award, create "Activity Schedule" and "Feature Schedule" in QCS. Submit QCS Schedules as part of initial QCS export. Data can be entered manually or Contractor has option to use standard data exchange. Cost allocate each "Pay Activity" to an assigned CLIN. Sum of "Pay Activities" must equal CLIN totals so there is no variance. "Features" duration is early start of first "Pay Activity" to late finish date of last "Pay Activity". Currently only Primavera P3 Project Planner allows direct import of computer schedule into QCS. Primavera will provide a utility called P3SDEF that will convert a P3 file export SDEF.txt file. An SDEF.txt file directly imports P3 schedule into QCS. Required Primavera P3 Activity Code Structure is as follows:

Field #	Code	Length	Field Description
1	WRKP	3	Workers per day

2	RESP	4	Responsibility
3	AREA	4	Area
4	MODF	6	Modification or Claim #
5	BIDI	6	Bid Item
6	PHAS	2	Phase
7	CATW	1	Category of Work
8	FOW1	10	Feature of Work (Segment 1)
9	FOW2	10	Feature of Work (Segment 2)
10	FOW3	10	Feature of Work (Segment 3)

1.2.2 Bar Chart with "S"Curve

At pre-construction conference submit [Bar Chart](#) with target ["S" Curve](#). Contractor may create manual Bar Chart and "S" curve or use computer software of his choice. Scheduling software allow for easier updates and changes. See sample Bar Chart and "S" Curve below. Contractor has an option to schedule an "early finish" date with "float" until contract required completion date. Schedules with "early finish" are for the benefit of the Contractor, and the Contracting Officer may elect to continue to make balanced progress payments based on funds availability. Neither Contractor nor Contracting Officer own "float" on early finish schedules. Contractor shall not claim added costs for delay for float used. When unit price CLINs have quantity variations and impact weighted percentage of a "Pay Activity" by five percent or more, revise bar chart and "S" Curve to accurately reflect impact of variation of estimated quantities.

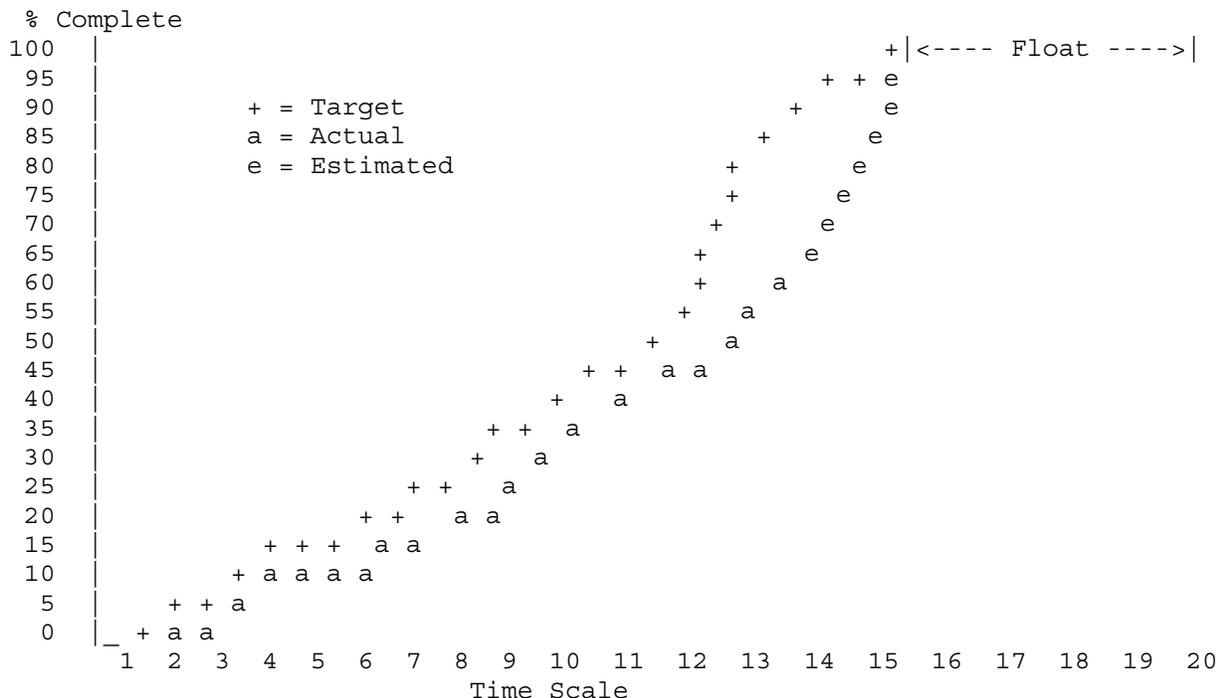
1.2.2.1 Sample Bar Chart

Sample Bar Chart has early finish at week 16 +/-.



1.2.2.2 Sample "S" Curve

Sample "S" curve is early finish at week 16 +/- with actual progress plotted at week 14.



1.3 EQUIPMENT DELIVERY SCHEDULE

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 NOTE: Delete paragraph in its entirety if equipment delivery is not applicable to project. HOWEVER, DO NOT FORGET TO FILL IN BLANKS, IF APPLICABLE TO PROJECT.  
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1.3.1 Initial Procurement Schedule

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 NOTE: Specify less time for short term projects. Specify more time for projects having extensive equipment requirements.  
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Within [30] [ ] calendar days after approval of the proposed construction schedule, submit for Contracting Officer approval a schedule showing procurement plans for materials, plant, and equipment. Submit in the format and content as prescribed by the Contracting officer, and include as a minimum, the following information:

- a. Description.
- b. Date of the purchase order.
- c. Promised shipping date.
- d. Name of the manufacturer or supplier.
- e. Date delivery is expected.

f. Date the material or equipment is required, according to the current construction schedule.

1.4 UPDATED SCHEDULES

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NOTE: Delete sentence in brackets if equipment  
delivery is not applicable to project.  
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Maintain construction progress schedules up-to-date. Ensure QCS Schedules and Bar Charts and "S" Curves are updated when requesting progress payment. Submit Bar Chart , "S" Curve schedule when schedule is revised. Reflect any changes occurring since the last update. [Submit copies of the purchase orders and confirmation of the delivery dates as directed.]

1.5 PROGRESS PHOTOGRAPHS

Provide digital photographs to document construction progress as requested by Contracting Officer.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION (NOT APPLICABLE)

-- End of Section --