

Task Order Plan (TOP)

Contract Number: NNM05AB50C
TO Title: Fluid Dynamics Support for Institution Technology
TO Number: 33-040229 **Revision:** 01

Period of Performance: 10/02/2010 to 9/30/2011

MSFC Initiator: Lisa Griffin

(b)(4)



Emergency: YES

Revision 1:

The purpose of this revision is to:

Subelement 01

Move (b)(4) hours of an (b)(4) Cost Category and (b)(4) hours of a (b)(4) Cost Category from October, November and December to January, February, and March because the WBS for this task has not been approved.

1.0 Task Order Description & Objectives

The purpose of this task is to provide coding methodologies.

Subelement 01 – Fluid Dynamics Support for TIPs

- a) Conduct literature review of stability modeling, feed system modeling, and control theory methods.
- b) Develop three-dimensional NASTRAN models and conduct acoustic/stability simulations.
- c) Document work.

2.0 Technical Approach (Including required input, guidelines & assumptions)

Subelement 01 – Fluid Dynamics Support for TIPs

- a) Conduct literature review of stability modeling, feed system modeling, and control theory methods.
- b) Develop three-dimensional NASTRAN models and conduct acoustic/stability simulations.
- c) Document work.

3.0 Discussion of Skills Required

ESTS Contract Task Order Request Performance Plan

Task Order Title: [Fluid Dynamics Support for Institution Technology](#)

Task Order Number: [33-040229](#) Revision: 01

Category	Weighting Technical %	End of Period Technical Score
Technical Objectives	65%	X 65% = Justification
Subelement 01 – Fluid Dynamics Support for TIPs a) Conduct literature review of stability modeling, feed system modeling, and control theory methods. b) Develop three-dimensional NASTRAN models and conduct acoustic/stability simulations. c) Document work.		
Schedule Objectives (Milestones)	Weighting Schedule % 10% (min 10%)	Schedule Score X 10% = Justification
Subelement 01 – Fluid Dynamics Support for TIPs Monthly Activity Reports Documentation of literature reviews and modeling results.		
Cost (actual vs. negotiated)	Weighting Cost% 25% (min.25%)	Cost Score X 25% = Justification
	Weighting Total % 100.00%	Total Score

Technical, Schedule, and Cost Grading Scale

Score	Description
9.0-10.0	Exceeded TO Performance Plan objectives resulting in major benefit(s)
8.0-8.9	Exceeded TO Performance Plan objectives resulting in modest benefit(s)
7.0-7.9	Met TO Performance Plan objectives
3.0-6.9	Did not meet all TO Performance Plan objectives resulting in minimal impact or requiring additional agency funds
0.0-2.9	Did not meet TO Performance Plan objectives resulting in substantial impact and/or requiring additional agency funds

ESTS Contract Task Order Request Performance Plan

Task Order Number: [Fluid Dynamics Support for Institution Technology](#)

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Comments:

Risk Assessment

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Task Order Risk Assessment to Cost, Technical, and Schedule

List identified risk associated with Task Order performance as related to task cost, technical, and schedule. Classify the risk(s) according to probability of occurrence and impact as defined below and enter the risk into risk matrix.

Risk	Risk Type	Probability (1-4)	Impact (1-4)	Risk Description
Risk C1	Cost	1	1	There are no cost risks associated with this task.
Risk T1	Technical	1	1	There are no technical risks associated with this task.
Risk S1	Schedule	1	1	There are no schedule risks associated with this task.

*Note: See page 2 for risk mitigation plan for those risks which are Primary Risk Drivers.



