



# **Rolling Wave #4 and IBR/EAC Kickoff**

**1 October 1998**

# REPORT DOCUMENTATION PAGE

Form Approved OMB No.  
0704-0188

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1. REPORT DATE (DD-MM-YYYY) 01-10-1998	2. REPORT TYPE Conference presentation	3. DATES COVERED (FROM - TO) 02-05-1999 to 05-05-1999
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4. TITLE AND SUBTITLE Rolling Wave #4 and IBR/EAC Kickoff Unclassified	5a. CONTRACT NUMBER
	5b. GRANT NUMBER
	5c. PROGRAM ELEMENT NUMBER

6. AUTHOR(S)	5d. PROJECT NUMBER
	5e. TASK NUMBER
	5f. WORK UNIT NUMBER

7. PERFORMING ORGANIZATION NAME AND ADDRESS Lockheed Martin Team XXXXX XXXXX, XXXXXXXX	8. PERFORMING ORGANIZATION REPORT NUMBER
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9. SPONSORING/MONITORING AGENCY NAME AND ADDRESS OUSD(A&T) ,	10. SPONSOR/MONITOR'S ACRONYM(S)
	11. SPONSOR/MONITOR'S REPORT NUMBER(S)

12. DISTRIBUTION/AVAILABILITY STATEMENT  
APUBLIC RELEASE

13. SUPPLEMENTARY NOTES  
Papers and presentations from 15th Annual International College of Performance Management Conference held in St. Paul, Minnesota, May 2-5 1999.

14. ABSTRACT  
See report.

15. SUBJECT TERMS

16. SECURITY CLASSIFICATION OF:	17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19. NAME OF RESPONSIBLE PERSON
	Public Release	11	http://www.acq.osd.mil/pm/paperpres/cpm0599.html, (blank) lfenster@dtic.mil

a. REPORT Unclassified	b. ABSTRACT Unclassified	c. THIS PAGE Unclassified	19b. TELEPHONE NUMBER International Area Code Area Code Telephone Number 703767-9007 DSN 427-9007
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# SBIRS RW #4/EAC Schedule



Task	October	November	December	January
IPT Kick Off Meetings	9/30   10/7			
SPO Training	10/8			
IMS CCB'd and EAC Assumptions Reviewed	10/15			
CAMs Prepare RW#4 & EAC Documentation	10/5  10/30			
IPT Roll-up to 4th Level (Ground to STS Level 5)		11/2   11/4		
Prelim Prog Office App'l at 3rd Level		11/4   11/10		
IPT STS Sessions *		11/10   11/25		
STS AI Closure & EAC Agreements Reached		11/30   12/11		
Program Manager to Approve IPT EAC's			12/7  12/18	
Incorporate RW#4 and EAC into PMB			12/7  1/15	
IBR Outbrief				1/27

\* IPTs to schedule STS dates



# Scope and Schedule



## Scope

- **SBIRS High EMD CLIN 0004 and CLIN 0010 including:**
  - D6c
  - G4/G5 impact to G1-G3
  - IMCSB contract change
  - TT&C contract change

## Schedule

- **All of the above changes to be CCB approved into the IMS NLT 10/15**



## Ground Rules and Instructions - 1 of 3



- **Detail planning required through FY99 or logical milestone completion**
- **EAC's to be updated for all cost accounts**
  - Time phased through contract completion by quarter or month
  - Must indicate that all IMS tasks are covered
  - Data to be rolled up to the 4th\* level of the WBS
    - » HOSV, SEIT, Program Office to use common spreadsheet
    - » Ground Segment to use performance system data
- **IPTs must adhere to their fiscal funding targets**
  - Targets have been updated and provided separately
- **EAC assumptions must be documented and reviewed by Program Manager by 10/15**
  - Assumptions and EAC must be consistent with updated risk mitigation plans presented by SEIT on 10/2

\* Ground Segment data at the 5th level of the WBS



## Ground Rules and Instructions - 2 of 3



- **Shoulder-to-Shoulder (STS) data required for each 4th\* Level WBS as follows:**
    - Top level description (WBS Dictionary)
    - Top level schedule
    - Time phased planning covering all IMS tasks
    - Split between in-house, subcontract and material dollars
    - Explanation of why EAC is the same, better, or worse than history (CPI vs TCPI)
    - Description of key risks and how they are covered in EAC
    - Documented justification (basis-of-estimate) if one or more of the following criteria are met:
      - » Cumulative CPI < 0.98 or > 1.02 and effort is > 5% complete
      - » VAC • 2%
      - » EAC > \$10M
- Note: 1) NRE must be distinguished from recurring effort**  
**2) Pertinent cost account performance must not be masked**

\* Ground Segment to STS the 5th level of the WBS



## Ground Rules and Instructions - 3 of 3



- **IPTs to schedule STS sessions with SPO, DCMC and Aerospace counterparts**
  - IBR Team Membership matrix attached
- **STS agreements and sign off at 4th\* level of the WBS for all EAC's**
- **Program Manager approval required**
  - IPTs to summarize data at each 3rd level WBS
  - Impact to Funding Scorecard must be analyzed and approved
  - Program Manager maintains the right to challenge any EAC



# IBR Team Membership - 1 of 5



WBS	Description	IPT Lead	CAM	CAM Phone #	SPO Counterpart
<b>0000</b>	<b>SBIRS High Component</b>	Tony Tuffo		(408) 742-3732	Col. Gomez
<b>1XXX</b>	<b>High Orbit Space Vehicle</b>	Bob Baker		(408) 742-0802	Lt. Col. Rosensteel
<b>11XX</b>	<b>Integr,Assy,Test &amp; Check (IAT&amp;C)</b>	Dave Parsons		(408) 743-7072	Capt. Toso
1110	HOSV Management & Bus Ops		John Finneran	(408) 743-0098	Capt. Toso
1120	HOSV Specialty Engineering		Jon Burgess	(408) 756-4678	Capt. Toso
1130	Design Integration		Bruce Steakley	(408) 743-0151	Capt. Toso
1140	Assembly & Test		Alan Brown	(408) 742-2757	Capt. Toso
1150	Payload Subcontract Management		Bruce Steakley	(408) 743-0151	Maj. McMurry
<b>12XX</b>	<b>GEO Payload</b>	Sabby Sabnis		(626) 812-2110	Maj. McMurry
1210	Payload IAT&C		Terry O'Brien	(626) 812-2129	Maj. McMurry
1220	Optical Telescope		Phil Simpson	(626) 812-1166	Lt. Hunt
1230	Pointing & Control		Mike Roller	(408) 742-4576	Capt. Hughes
1240	Focal Plane Assembly		Rick Ross	(410) 765-3126	Lt. Hunt
1250	Thermal Control Subsystem		Dave Wilson	(626) 812-1728	Lt. Hunt
1260	Signal Processing Assembly		Mark Loring	(626) 812-8248	Capt. Hughes
1270	Power & Signal Distribution System		John Voboril	(626) 812-1716	Capt. Hughes
<b>13XX</b>	<b>GEO Spacecraft</b>	Paul McDonald		(408) 756-2738	Capt. Cruciani
1310	Spacecraft Bus Ops		John Finneran	(408) 743-0098	Capt. Cruciani
1320	Structures & Mechanisms		Bob Gardner	(408) 743-2184	Capt. Cruciani
1330	Thermal Control		Jeff Fetherolf	(408) 743-7090	Capt. Cruciani
1340	Electrical Power		Ray Murdock	(408) 743-7227	Capt. Cruciani
1350	Guidance, Navigation & Control		Steve Wolff	(408) 756-0994	Capt. Cruciani
1360	Flight Software		Rod Gibb	(408) 756-1292	Capt. Cruciani
1370	Command & Data Handling		Lou Deaton	(408) 742-8236	Capt. Cruciani
1380	Communications Products		Taffy Curtin	(215) 497-4161	Capt. Cruciani
1390	Propulsion		Gary Stevenson	(408) 743-7133	Capt. Cruciani



## IBR Team Membership - 2 of 5



WBS	Description	IPT Lead	CAM	CAM Phone #	SPO Counterpart
<b>14XX</b>	<b>HEO Payload</b>	Sabby Sabnis		(626) 812-2110	Maj. McMurry
1410	Payload IAT&C		Terry O'Brien	(626) 812-2129	Maj. McMurry
1420	Optical Telescope		Phil Simpson	(626) 812-1166	Lt. Hunt
1430	Pointing & Control		Mike Roller	(408) 742-4576	Capt. Hughes
1440	Focal Plane Assembly		Rick Ross	(410) 765-3126	Lt. Hunt
1450	Thermal Control Subsystem		Dave Wilson	(626) 812-1728	Lt. Hunt
1460	Signal Processing Assembly		Mark Loring	(626) 812-8248	Capt. Hughes
1470	Power & Signal Distribution System		John Voboril	(626) 812-1716	Capt. Hughes
A300	HOSV Flight S/W DME & Data		Dave Parsons	(408) 743-7072	Capt. Toso
E100	Planning & Preparation		Dave Parsons	(408) 743-7072	Capt. Toso
E300	Transfer & Transportation		Dave Parsons	(408) 743-7072	Capt. Toso



# IBR Team Membership - 3 of 5



WBS	Description	IPT Lead	CAM	CAM Phone #	SPO Counterpart
<b>3XXX</b>	<b>Grd Cmd,Cntrl,Comm &amp; Mssn Eq</b>	Colleen McFadden		(303) 581-4428	Lt. Col. Vanderpoorten
3110	Business Ops		Watkins	(303) 581-4835	Schaub(I1)/Wallace(I2)
3120	Seg Engineering		Kile	(303) 581-4385	Schaub(I1)/Wallace(I2)
3130	ILS Spec Engineering		Kile	(303) 581-4385	King
3140	Seg I&T		Marques	(303) 581-4424	Schaub(I1)/Wallace(I2)
3150	CDF		Marques	(303) 581-4424	Schaub(I1)/Wallace(I2)
3210	MCS IAT&C		Packard	(303) 581-4342	Schaub(I1)/Wallace(I2)
3220	MCS Equipment		Kramer	(303) 581-4518	Schaub(I1)/Wallace(I2)
3230	TT&C SI		Clary	(303) 581-4594	Schaub(I1)/Wallace(I2)
3240	Mission Proc		Catuara	(626) 812-1463	Schaub(I1)/Wallace(I2)
3250	Mission Mgmt SI		Carpenter	(303) 581-4473	Schaub(I1)/Wallace(I2)
3260	SVS INFRA SI		Gibson	(303) 581-4302	Schaub(I1)/Wallace(I2)
3300	MCS-B		Packard	(303) 581-4342	Schaub(I1)/Wallace(I2)
3400	Surv Backup		Bloom	(303) 581-4388	Schaub(I1)/Wallace(I2)
3510	RGS IAT&C		Fred Burgess	(303) 581-4240	Schaub(I1)/Wallace(I2)
3520	RGS Equipment		Fred Burgess	(303) 581-4240	Schaub(I1)/Wallace(I2)
3530	RGS Antenna		Fred Burgess	(303) 581-4240	Schaub(I1)/Wallace(I2)
3600	RT		Hinds	(303) 581-4448	McKay



## IBR Team Membership - 4 of 5



WBS	Description	IPT Lead	CAM	CAM Phone #	SPO Counterpart
6100	Tech Pubs		Kile	(303) 581-4385	King
8000	CSI		Marques	(303) 581-4424	King
9100	MCS/MCSB Spares		Kile	(303) 581-4385	King
9200	RGS Spares		Fred Burgess	(303) 581-4240	King
A100	SW DP Depot		Kile	(303) 581-4385	King
B100	Training Equipment		Barrios	(303) 581-4566	King
B200	Training Services		Barrios	(303) 581-4566	King
B300	Training Facilities		Barrios	(303) 581-4566	King
D110	Site Activation		Bloom	(303) 581-4388	King
D120	MCS Facility/Activation		Bloom	(303) 581-4388	King
D130	RGS Facility/Activation		Fred Burgess	(303) 581-4240	King
D200	P-Ops Support LMFSC		Kile	(303) 581-4385	King



# IBR Team Membership - 5 of 5



WBS	Description	IPT Lead	CAM	CAM Phone #	SPO Counterpart
<b>41XX</b>	<b>System Engineering</b>	Mark Crowley		(408) 756-0969	Maj. Watson
4110	Management & Business Operations		Julie Foster	(408) 743-7387	Maj. Watson
4120	Software Process Management		Tom Kelley	(303) 581-4226	Maj. Wallace
4130	Reqmts, Analysis, Alloc & Verif		Chris King	(408) 742-2002	Maj. Chang/Mr. Markle
4140	Sys & Mssn Afford/Util Analysis		Theresa Ito	(408) 742-6246	Maj. Scruggs
4150	Systems Integration		Gary Montgomery	(408) 743-1815	Lt. Col. Stephen
	Systems I/F & Transition		Les Nelson	(719) 550-2246	Maj. Falkenstein
4160	Specialty Engineering		Jon Burgess	(408) 756-4678	Maj. Bob King
4170	Integrated Logistics Support		Jon Burgess	(408) 756-4678	Maj. Bob King
4180	Launch System Integration		Gary Montgomery	(408) 743-1815	Capt. Toso/Capt. Cruciani
4300	Tot Sys Perf Responsibility (TSPR)		Dave Chisessi	(408) 743-2183	Maj. Watson
5100	Sys Dev Test & Evaluation (DT&E)		Mike Byrne	(408) 742-3855	Mr. Masternak
C100	Launch Operations		Mike Byrne	(408) 742-3855	Capt. Toso/Capt. Cruciani
C200	Flight Operations Support		Mike Byrne	(408) 742-3855	Capt. Toso/Capt. Cruciani
<b>42XX</b>	<b>Program Management</b>	Kent Haeger		(408) 742-0584	Lt Col. Stephen
42XX	Program Management		Reneé Cintas	(408) 756-2158	Lt. Grant
4230	EDAMS		Rick Smith	(408) 742-5459	Mr. Tatum
6200	Engrg, Mgmt & Spt Data		Reneé Cintas	(408) 756-2158	Lt. Grant