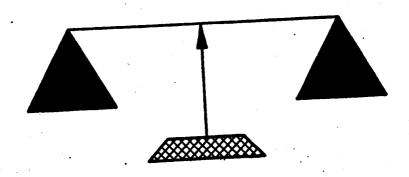


1145



MANAGEMENT ENGINEERING PROGRAM



♦ Preliminary Study ♦

AGENA LAUNCH VEHICLE DIRECTORATE FUNCTION

6<u>00</u>0

AFSC MANAGEMENT ENGINEERING TEAM NUMBER 10 LOS ANGELES AIR FORCE STATION LOS ANGELES, CALIFORNIA

PRELIMINARY STUDY

AGENA LAUNCH VEHICLE DIRECTORATE

FUNCTION

6000

1145

PREPARED BY:

AFSC MANAGEMENT ENGINEERING TEAM 10

LOS ANGELES AIR FORCE STATION LOS ANGELES, CALIFORNIA

> 5 APRIL 65 STUDY STARTED

JUNE 65 STUDY COMPLETED

NOTE: THIS STUDY DOES NOT CONSTITUTE AN APPROVED MANPOWER STANDARD.

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PART IX - GENERAL ADDITIONS

PART Y - REFERENCES

PART VI - OPR COMMENTS

GENERAL COMMENTS

- 1. The Agena Directorate as organized and operating is not in full consonance with AFSCM 375-3. Mission requirements are such that strict compliance with the organizational provisions of AFSCM 375-3 is impossible. Waivers to this effect have been granted.
- 2. The status of the OSD Directed Manpower Reduction is not known at this time, but would have a definite impact on current manpower authorizations if implemented.
- 3. The Agena Directorate has no Contract Services or Tenancy Agreements.
- 4. Excellent cooperation was afforded the MEP representative by all personnel of the Agena Directorate.

-FUNCTIONAL STATEMENT -

AGENA DIRECTORATE

Responsible for the management and direction of contractor efforts in the definition, design, production, modification, storage, logistic support, test and launch support of the Agena vehicle for all using programs.

Responsible for all program functions for the acquisition and launch of the Gemini Atlas Agena Target Vehicle.

Provides certain engineering and procurement support to specified programs.

Provides AGE engineering support and facilities activation for all using programs and is responsible for the management and direction of the Agena launch services contracts for the ETR and WTR.

CONFIGURATION CONTROL DIVISION

Responsible to Program Director for identification, control, accounting and status aspects of configuration management of the S-Ola/B System (excluding AGE) and Gemini Target Program (including AGE).

Responsible for configuration management functions for the Program S-Ola/B vehicles, Gemini Target Program, and for two booster programs when requested.

VEHICLE ENGINEERING DIVISION

Manages contractor efforts in the development, engineering and test of the S-Ol spaceframe, propulsion, vehicle power, control and guidance, and command control systems; provides engineering support to designated program offices for these systems; directs and supervises contractors in these areas to insure their technical adequacy; reviews development plans, programs, work statements, cost proposals and specifications to insure technical compliance and a satisfactory product; participates in contract negotiations; conducts design reviews and technical direction meetings to evaluate and direct contractor activities.

ELECTRONICS ERANCH. Responsible for flight electrical power systems, guidance and control systems, and command and control systems.

ACTRO-VEHICLE BRANCH. Responsible for propulsion systems and space-frames.

AGE DIVISION

Responsible for engineering analysis, design, development, test, qualitative and quantitative requirements and timely delivery of all AGE required by the Air Force and NASA Programs using the S-Cl vehicle.

Responsible for programming, planning, and project management for activation of Satellite System Launch Complexes for programs using the S-Ol vehicle; functions include contracting, costing, technical direction, integrated design and development, test requirements, phase scheduling, AGE installation and checkout, and system validation.

Responsible for programming, planning, and project management for ETR and WTR launch services for Air Force and NASA Programs using the 5-01 vehicle; functions include contracting, costing, technical direction and test requirements.

AGE DEVELOPMENT BRANCH. Responsible for all Aerospace Ground Equipment.

LAUNCH COMPLEX ACTIVATION BRANCH. Responsible for launch complex activation and launch services.

PROCUREMENT DIVISION

Responsible for procurement and production management functions for the 3-Ol vehicle and associated ground equipment, and NASA support and launch contract.

Coordinates with applicable program offices and translates program requirements into contractual work statements; plans and negotiates contracts for new procurements; monitors the production and installation status of program equipments; performs management level production expediting.

PART I PAGE 3

REQUIREMENTS AND PROGRAMMING DIVISION

Establishes Agena program technical requirements.

Directs Agena and associated AGE reliability efforts, programming and fiscal planning efforts, work statement preparation, cost proposal analysis, program plan review, and the solving of interface problems.

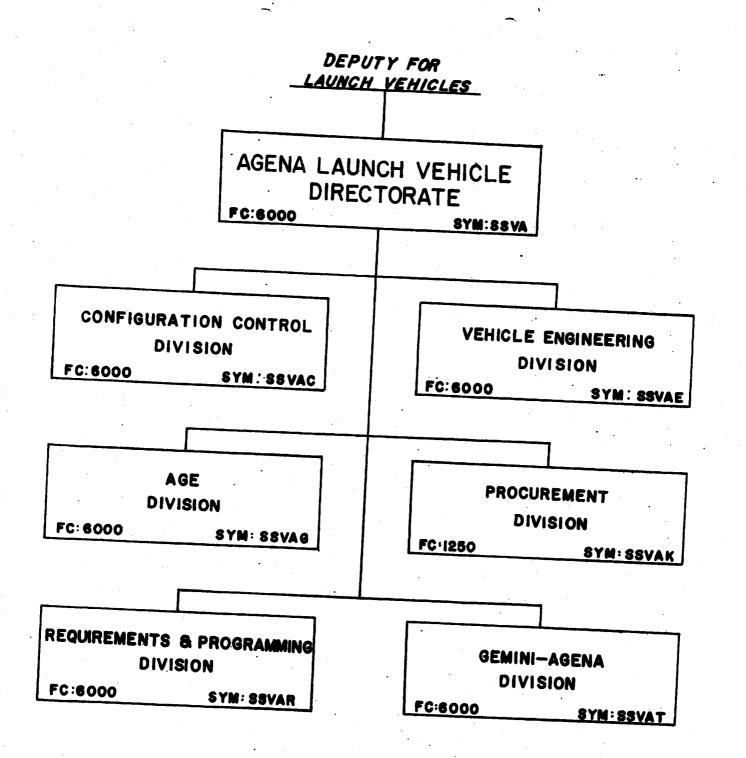
Provides for and directs technical support of using programs, and booster programs utilizing the Agena vehicle.

GEMINI-AGENA DIVISION

Focal point for planning, guidance and instructions for effective execution of the Gemini Agena Target program.

Responsible for the design, development, integration, test and launch of the complete Gemini Agena Target Vehicle under the overall Gemini program management of the NASA Manned Spacecraft Center.

The Gemini Agena Target Vehicle System consists of the SLV-2/G-OlC vehicles with program peculiar airborne equipment and associated launch base Aerospace Ground Equipment.



SUMMARY PERSONNEL TABLE

WORK GENTER Director's Office	UMD_TITLE	AUTH.	AS GD.
Configuration Management	Agena Directorate	6	6
Vehicle Engineering	Configuration Control Division	7	7
Electronics	Vehicle Engineering Division	2	2
Astro Vehicle	Electronics Branch	14	14
Aerospace Ground Equipment	Astro-Vehicle Branch	8	8
AGE Development Branch	AGE Division	2	2
Launch Complex Activation Branch	AGE Development Branch Launch Complex Activati	5	5
Procurement	Branch	.oz 5	5
Requirements and Programming	Procurement Division Requirements and	12	12
Gemini Agena	Programing Division	10	10
	Gemini Agena Division	18	_18
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1. FUNCTION AND SUBFUNCTION	TER DESCRIPTION
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2. WORK CENTER (Bashes code)	gens Launch Posts
V-LTCTOM/- Ass.	venicle Directorate
AF Systems Command 4. ORGANIZ	EATION AND LOCATION
	Beadmenter
8. WORK CENTER DEFINITION	Headquarters, Space Systems Division Los Angeles Air Force Station
1. SYSTEM MANAGEMENT (Direct)	Los Angeles Air Force Station, California
(Direct)	
a. Responsible for the	l and detailed management, Systems Engineering at of the Agenc Co.
intermedial Direction includes	1 and detailed management
Target Walter and financial management	development, progressent, Systems Engineering
Target Vehicle, and Associated Groups of the Responsible for Launch stan	l and detailed management, Systems Engineering development, procurement, production, modification and Equipment.
c. Responsible	at of the Agena Space Stage, the Gemini-Agena and Equipment. Id activation and modification and launch services on Management and committee of the committee
Configuration Control Board.	on Managament
d. Advises the Derector	on Management and serves as chairman of the ch Vehicles and his staff on matters relating
to Agena and GATV. Deputy for Launce	ch Vehicles and his street
contractors - Coordinates efforts of all	ch vehicles and his staff on matters relating military/Governmental agencies and civilian gram.
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MANAGEMENT (*	gram, agancies and civilian
Vincing Superviet	60
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b. Plan and assign workload.	stions, etc. (Indirect)
c. Attend or hold stone.	and briefings, board and committee
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articipation, and similar management d. Attend to personnel matters (and briefings, board and committee activities. ratings, evaluations, leaves, etc.).
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- f. Personnel matters (time and attendance cards, leave, etc.).
 g. Classified document control.
 h. Receive and direct visitors.

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E. ALLOWED TIME (D times Allowence Pecter	•	
F. ADJUSTED WORKLOAD FACTOR VALUE		
6. WORK CENTER THE STANDARD (E divided by F)		
H. AVERAGE MONTHLY WORKLOAD FACTOR	,	
I. WORK CENTER MANPOWER STANDARD (G times II divide	nd by 140)	
REMARKS		·

WILLIAM C. HIELSEN, Col., USAF Director, Agena Directorate

TITLE OF STANDARDS TECHNICIAN

DAVID L. CALHOUN, Lt., USAF Management Engineering Officer

TAB COM

Suggested workload factors for the Director's Office are as follows:

WIF # 1: Personnel Supervised

WIF Def: Total personnel authorized in the Directorate.

Source of Count: MAF

WIF # 2: Supervisors
WIF Def: Number of supervisors/deputies authorized in subordinate

Source of Count: MAP

WIF # 3: AF and MASA Programs

WLF Def: Total number of AF and NASA Programs supported by this

Source of Count: Local Records

MANPOWER PERSONNEL CHART

AGENA DIRECTORATE - DIRECTOR'S OFFICE WORK CENTER

AFSC	44	ASS	IGNED
2926	NUMBER	AFSC	NUMBER
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70250	.	70230	1
70450	1	70250	ī
:	6	70450	_1_
•			6

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SC	PN	AFSC	<u>ASSIGNED</u>
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	0243	2926	2926
	0579	2916	2926
•	5039	70230	2916
	5038	70250	70230
	5491	70450	70 250
.*	-		70450

Agena Launch Vehicle Directorate - Configuration Management Division 1. Configuration Management 2. Configuration Management 3. Configuration Management 4. Configuration Management 5. Configuration Management 6. Management Management 7. Configuration Management (Direct) 8. Configuration Management (Direct) 8. Configuration management general (as described in Chapters 1 through to fine v AFROM 375-1). 8. Deview and process all ED's inclinding VED's to insure adequacy, complication with contractural requirements, validity, cost involved and effectivity points. 9. Deview and process all facilities change requests. 1. Plan and organise FAUT: 1. Manage change control of ARR equipment, facilities and space vehicles. 1. Manage change control system and procedures. 2. Manage change control system and procedures. 3. Betablish and maintain documentation on configuration, identification and accounting or Agena airborn and ground equipment. 3. Develop and instant and monitor the Uniform Specifications Program. 1. Serve on Configuration Control Board. 2. Confinate contractor interface problems. 3. Lasure compliance with or valvers to 375 series. 4. Develop and initiate work retements. 5. Establish baseline and follow on configuration. 6. Establish baseline and follow on configuration. 7. Provide configuration management direction for the development of mission peculiar items. 8. Provide configuration management direction for ARE development. 1. Special projects. 8. Provide configuration management direction for ARE development. 1. Special projects. 9. Management (Including Supervision and Associated Administration) (Indirect) 2. Management (Including Supervision and Associated Administration) (Indirect) 3. Review correspondence, regulations, etc. 4. Plan and assign workload. 3. Provide configuration and Associated Administration (Indirect) 4. Pactor Bernium	W Y CENTER DE	SCRIPTION	DATE
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Memorandums of Agreement. 2. MANAGEMENT (Including Supervision and Associated Administration) (Indirect) a. Review correspondence, regulations, etc. b. Plan and assign workload. METHODIS FOR DEVELOPINS MANPOWER STANDARD (Mediate code) ORKLOAD FACTOR FACTOR IDENTIFIED CORRELATION AND RESPENSION ANALYSIS COEFFICIENT OF CORRELATION Deparational audit STANDARD ERROR	U. Demier Menters	direction for AGE development.	,
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2. MARAGEMENT (Including Supervision and Associated Administration) (Indirect) a. Review correspondence, regulations, etc. b. Plan and assign workload. EXTHOD(S) FOR DEVELOPING MANPOWER STANDARD (Indianto code) ORKLOAD FACTOR FACTOR IDENTIFIED CORRELATION AND REGRESSION ANALYSIS COEFFICIENT OF CORRELATION DPERATIONAL AUDIT STANDARD ERROR	v. Monitor AFFR's effort in comme		F
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D. Plan and assign workload. ETHOD(S) FOR DEVELOPING MANPOWER STANDARD (Broketo code) ORKLOAD FACTOR FACTOR IDENTIFIED CORRELATION AND REGRESSION ANALYSIS COEFFICIENT OF CORRELATION DOPERATIONAL AUDIT STANDARD ERROR	•		
ORKLOAD FACTOR S. SOURCE OF COUNT FACTOR IDENTIFIED CORRELATION AND REGRESSION ANALYSIS OPERATIONAL AUDIT STANDARD ERROR	b. Plan and assign workload.	ns, etc.	ndirect)
PACTOR IDENTIFIED CORRELATION AND REGRESSION ANALYSIS OPERATIONAL AUDIT STANDARD ERROR	METHOD(S) FOR DEVELOPING MANPOWER STANDARD (Brefride :	ondo)	
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CORRELATION AND REGRESSION ANALYSIS COEFFICIENT OF CORRELATION DOPERATIONAL AUDIT STANDARD ERROR	ORKLOAD PACTOR	8. SOURCE OF COUNT	
OPERATIONAL AUDIT STANDARD ERROR		<u>. </u>	
STANDARD ERROR	FACTOR II	DENTIFIED	
ORM 1996	CORRELATION AND REGRESSION ANALYSIS	DENTIFIED	

- c. Attend or hold staff meetings and briefings, board and committee participation, and similar management activities.
 - d. Attend to personnel matters (ratings, evaluations, leaves, etc.).

 - f. Phone conversations (related to above).
 - g. Release program data and functional information.

3. ADMINISTRATION (Indirect)

- a. Typing (inclusive of all associated tasks) and preparing correspondence, reports, plans, etc.
 - b. Prepares, maintains and controls files.
 - c. Distribution.
 - Telephone services.
 - e. Research (of correspondence, reports, plans, etc.).
 - f. Personnel matters (time and attendance cards, leave, etc.). g. Classified document control.

 - h. Beceive and direct visitors.

(7.	CONDITIONS	
A. TYPE OF OPERATION	B. NORMAL HOURS OF OPERATIO	
Manual		
MOVEMENT AND DISTANCE FACTORS	0800 - 1645 (5 day	veek)
	D. SPECIAL EQUIPMENT USED	•
None .	None	
FATIGUE COMBIDERATIONS		
None	F. HAZAROS	
OTHER CONDITIONS	Hone	
·	H. CONDITIONS RATING FACTOR	
None .	Average0	
COMPUTA	TION OF STANDARD	
ITEMS	TION OF STANDARD	
A. DIRECT TIME		AMOUNTS
B. INDIRECT TIME		
C. PRODUCTIVE TIME (A plue B)		
	•	·
D. LEVELED TIME (C times Leveling Factor)	
E. ALLOWED TIME (D time: Allowance Factor	,	
F. ADJUSTED WORKLOAD FACTOR VALUE		
6. WORK CENTER TIME STANDARD (E divided by F)		
H. AVERAGE MONTH		
H. AVERAGE MONTHLY WORKLOAD FACTOR		
I. WORK CENTER MANPOWER STANDARD (G limes H d	Evided by 140)	
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Therence I Itslan	Hail II	01
AWRENCE S. NOLAN, Maj., USAF	NAME AND TITLE OF STANDARDS TEC	HNIGIAN
hief, Configuration Control Division	DAVID L. CALROIN I.	TTCATE
TAP R	Management Engineering	Officer

TAB COMMENTS

Suggested workload factors for Configuration Control are as follows:

WIF # 1: Engineering Change Proposals WIF Def: Number of ECP's processed. Source of Count: Local Records

WIF # 2: Configuration Control Board Actions
WIF Def: Humber of CCB evaluations resulting in approval or disapproval

Source of Count: Local Records.

WLF # 3: First Article Configuration Inspections and Configuration Baseline Determinations (PACI's and CVED's). WLF Def: Mumber of FACI's and CVBD's accomplished. Source of Count: Local Records

MANPOWER PERSONNEL CHART

WORK CENTER

<u> </u>	DAIZED	ASS	IGNED
AFSC	NUMBER	AFSG	NUMBER
2916 2845B	2	2916	2
2835A	1 1	2845B 2835A	i
2845A 2895B	1 1	2 845A	1
70250	1	2895B 70250	1
<u>.</u>	7		7

AU	THORIZ	D	•
<u>sc</u>	PN	AFSC	ASSIGNED
WA00 1734	0257	2916	<u>AFSC</u> 2916
	0653	2845B	2845B
	1061	2835A	2835A
;	0946	2845A	2845A
	1355 4543	28953	2895B
	4243 5045	2916	2916
	<i>></i> -+>	70250	70250

		CV-
1. PUNCTION AND SUBPUNCTION	SCRIPTION	21 May 65
Agena Launch Vehicle Directorate - 1 2. WORK CENTER (Dislute code)	Vehicle Engineering Division	
Vehicle Engineering (7/2 (200)		
AP Systems Comments 4. ORGANIZATION A		
1. 198	adquarters, Space Systems Divisi	on
8. WORK CENTER DEPINITION LOS	Angeles Air Force Station, Cal	ifornia
1. SYSTEM MANAGEMENT (Direct)		
a. Responsible for the overall an Engineering Division.	d detailed management of the Vel	uicle
D. Regnongible com to a	·	
effort in the development, engineering c. Provide technical support to a	and test of the Agena Space Vel	contractor icle.
c. Provide technical support to at ascent or orbital stage.	II Programs using the Agena Vehi	cle as an
2. MANAGEMENT (Including Supervision	and Associated Administration)	(Indirect)
a. Neview Correspondence	ions, etc.	·
C. Attend on hold the		
c. Attend or hold staff meetings a participation, and similar management a d. Attend to remand	and briefings, board and committee	· . · · · · · · · · · · · · · · · · · ·
4. Attend to nement	tings, evaluations ?	
e. Receive and give instructions.	otc.	.).
f. Phone conversations (related to g. Release program data and functions)	above).	
	onal information.	
3. ADMINISTRATION (Indirect)		• .
a. Typing (inclusive of all assets		
a. Typing (inclusive of all associareports, plans, etc.	ated tasks) and preparing corres	pondence.
o. Filing.		-
c. Distribution.d. Telephone services.		* *
e. Research (of comments		
f. Personnel matters (time and attention	ports, plans, etc.).	
f. Personnel matters (time and atte	oorts, plans, etc.). undance cards, leave, etc.).	. •
e. Research (of correspondence, rep f. Personnel matters (time and atte g. Classified document control. h. Receive and direct visitors.	ports, plans, etc.). endance cards, leave, etc.).	
f. Personnel matters (time and atte	ports, plans, etc.). undance cards, leave, etc.).	
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f. Personnel matters (time and atte	ports, plans, etc.). endance cards, leave, etc.).	
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e. Research (of correspondence, rep f. Personnel matters (time and atte g. Classified document control. h. Receive and direct visitors. ETHOD(S) FOR DEVELOPING MANPOWER STANDARD (Include of	mance cards, leave, etc.).	
e. Research (of correspondence, rep f. Personnel matters (time and atte g. Classified document control. h. Receive and direct visitors. ETHOD(S) FOR DEVELOPING MANPOWER STANDARD (Include of the control of the contro	e. Source of count	
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e. Research (of correspondence, rep f. Personnel matters (time and atte g. Classified document control. h. Receive and direct visitors. METHODIS) FOR DEVELOPING MANPOWER STANDARD (Include of CORRELATION AND REGRESSION ANALYSIS	e. Source of count	
e. Research (of correspondence, rep f. Personnel matters (time and atte g. Classified document control. h. Receive and direct visitors. ETHOD(S) FOR DEVELOPING MANPOWER STANDARD (Include of the control of the contro	e. source of count	

7.			
TYPE OF OPERATION	CONDITIONS	T	
Manual	S. NORMAL HOURS OF		
MOVEMENT AND DISTANCE FACTORS	0800 - 1645	(5 do	- • •
	D. SPECIAL EQUIPMENT	T USED	ek)
None			
FATIGUE CONSIDERATIONS	Mone	•	
None	F. HAZARDS		
		•	
OTHER CONDITIONS	None		
None ·	H. CONDITIONS RATING	FACTOR	
	Average0		
	COMPUTATION OF STANDARD		
IT	ENS		
A. DIRECT THE			AMOUNTS
	·	1	
S. INDIRECT TIME			
C Brown			
C. PRODUCTIVE TIME (A plus B)			
D. LEVELED TIME /C.			
D. LEVELED TIME (C times Leveling Fac	otor)		
E. ALLOWED TIME (D time: Allowence F			· · ·
Wast Allowance P	actor		
F. ADJUSTED WORKLOAD FACTOR VALUE			
	<u></u>		
G. WORK CENTER TIME STANDARD (E div	ided by P)		·
			"-
H. AVERAGE MONTHLY WORKLOAD FACTO	R		
I. WORK CENTER MANAGEMEN AT AND A SECOND			
I. WORK CENTER MANPOWER STANDARD (umee H divided by 140)		
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CECIL E. KIDDLE, LtCol., USAF Chief, Venicle Engineering Division

NAME AND TITLE OF STANDARDS TECHNICIAN
DAVID L. CAIROUN, Lt., USAF
Management Engineering Officer

TAB COMMENTS

Suggested workload factors for Vehicle Engineering are as follows:

WIF # 1: AF and MASA Programs Supported
WIF Def: Total number of AF and MASA Programs supported by this

Source of Count: Local Records

WIF # 2: Number of Contractors Monitored

WIF Def: Number of contractors directly monitored.

Source Of Count: Local Records

MANPOWER PERSONNEL CHART

VEHICLE ENGINEERING DIVISION WORK CENTER

A	-
AUTHORI	
AUTHORI:	7 S N

ASSIGNED

2816 70450

AFSC	Marana	va.	TANED
2816	NUMBER	AFSG	NUMBER
70450	. <u>1</u>	2816	1
	2	70450	1
			2

AUTHORIZED

<u>sc</u>	PN	AFSC	ASSIGNED
WA00 1713	0180	2816	AFSC
•	5344	70450	2816
*		•	70h eo

1. FUNCTION AND SUBFUNCTION	RIPTION DATE 19 May 65
Agena Launch Vehicle Directorate - Veh:	icle Engineering Division
-	
Electronics (F/C 6000) COMMAND 4- ORGANIZATION AND	N. C.
AV Svetame Common 3	·-
WORK CENTER DEFINITION	lquarters, Space Systems Division Angeles Air Force Station, California
	sees All Force Station, California
1. ELECTRONICS (Direct)	
b. Directs system engineering contof power system components and in the insystems into flight vehicles. c. Technically direct contractor or using programs on mission peculiar application. d. Monitor use of development test e. Responsible for the application Gemini Target Vehicle. f. Determine Guidance and Control is satellite vehicles. Support SP programs contractor in development and use of G&C equipment into flight vehicles. g. Provide technical direction on determine of Guidance and Control of the contractors of Guidance direction on determined to contractors of Guidance determined to contractors determined to contractors of contractors of contractors of contra	requirements for the Agena and other components and integration of complete
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to requirements. h. Analyze test and flight data, pargovernment agencies and contractors, and i. Direct contractor in the integration a complete subsystem. j. Direct contractor on communication of the contractor on communication of the contractor on communication of the contractor of the control equipment. k. Develop and initiate work statemed in the control of the control o	ting, checkout procedures and conformance rticipate in exchange of data between update development work accordingly. tion of Guidance and Control components ons and control matters and support the peculiar application of communications ents. rector negotiations. roposals. fications. dipment and factory test specifications. rements and revise as necessary. efings. equired. e.

- t. Special projects.
- u. TDY in support of above.

Review patents and unsolicited proposals.

- 2. MANAGEMENT (Including Supervision and Associated Administration) (Indirect)
 - a. Review correspondence, regulations, etc.

- Plan and assign workload.
 Attend or hold staff meetings and briefings, board and committee participation, and similar management activities.
 - d. Attend to personnel matters (ratings, evaluations, leaves, etc.).

e. Receive and give instructions.

f. Phone conversations (related to above).

g. Release program data and functional information.

2. ADMINISTRATION (Indirect)

- Typing (inclusive of all associated tasks) and preparing correspondence, reports, plans, etc.
 - b. Filing.
 - c. Distribution.
 - d. Telephone services.
 - e. Research (of correspondence, reports, plans, etc.).
 - f. Personnel matters (time and attendance cards, leave, etc.).
 - g. Classified document control.
 - h. Receive and direct visitors.

to.	IDITIONS
A. TYPE OF OPERATION	B. HORMAL HOURS OF OPERATION
Manual	0800 - 1645 (5 day week)
C. MOVEMENT AND DISTANCE PACTORS	D. SPECIAL EQUIPMENT USED
None	
E. FATIGUE CONSIDERATIONS	None
· · · · · · · · · · · · · · · · · · ·	F. HAZARDS
Mone	None
6. OTHER CONDITIONS	H. CONDITIONS RATING FACTOR
None	
	Average0
COMPUTATIO	ON OF STANDARD
ITEMS	AMOUNTS
A. DIRECT TIME	
B. INDIRECT TIME	
- Mondel Time	
C. PRODUCTIVE TIME (A plus B)	
D. LEVELED TIME (C times Leveling Factor)
E. ALLOWED TIME (D times. Allowence Pector	
F. ADJUSTED WORKLOAD FACTOR VALUE	•
6. WORK CENTER TIME STANDARD (E divided by F)	
H. AVERAGE MONTHLY WORKLOAD FACTOR	
I. WORK CENTER MANPOWER STANDARD (G times H di	vided by 140)
REMARKS	
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NAME AND TITLE OF PUNCTIONAL PROPERTY AND THE	Have To Callery
WILLIAM GREENFIELD, LtCol., USAF	DAVID L. CALHOUR, Lt., USAF
Chief, Electronics Branch	Management Engineering Officer

TAB COMMENTS

Suggested workload factors for Electronics are as follows:

WIF # 1: AF and NASA Programs Supported
WIF Def: Total number of AF and NASA Programs supported by this

directorate.

Source of Count: Local Records

WLF # 2: Number of Contractors Monitored

WLF Def: Number of contractors directly monitored.

Source of Count: Local Records

MANPOWER PERSONNEL CHART

ELECTRONICS BRANCH

WORK CENTER

AUTHORIZED

ASSIGNED

AFSC		ASS	IGNED
2816	NUMBER 2	AFSC	NUMBER
2845D 2825A	3	2816 2845D	2
2825B	4 2	2825A	3 4
2825c 70230	2	2825B 2825C	2
10530	1 14	70230	2 _1_
	<u> </u>		14

AUTHORIZED

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<u>sc</u>	PN	AFSC		ASSIGNED
WA00 1715	0270	2816		AFSC
	0655	2816		2816
	0582	2845D		2816
	1494	2825C		28450
	0943	2825A		2825c
•	0944	2825A	•	2825A
	1172	2825A		2825A
	1199	2825A		282 5A
	1203	2825B		2825A
	1207	2825B		2825B
	1173	2825C		28253
	1023	2845D	•	2825C
	_0_0	2047IJ	•	2845D
			TAB D PAGE 5	

AUTHORIZED ASSIGNED SC PN AFSC AFSG WA00 1715 1330 2845D

2845D 5041

70230 70230

W CENTER DE	SCOURTION	DATE
1. FUNCTION AND SUSPUNCTION	PCRIPTION	17 May 65
Agena Launch Vehicle Dissertion		
Agena Launch Vehicle Directorate - V	Wehicle Engineering Division	
Astro Vehicle (F/C 6000)		
AF Systems Comment		
	adquarters, Space Systems Divis:	ion
B. WORK CENTER DEFINITION	s Angeles Air Force Station, Ca.	lifornia
1. VEHICLE (Direct)		·
a. Responsible for engineering development of Coordinate the engineering development of Containment sump, and engineering support of Responsible for review and evaluation of Agena and Gemini Target Vehicle. Responsible for development and rocket motors.	beryllium skin and doors, fabri ort of Agena structure. Luation of Aerodynamic and Therm cle structures.	e. cation of odynamic
f. Responsible for development of a Vehicle and for engineering support of a g. Responsible for development of a Target Vehicle and integration of propul	secondary propulaton system and	—
and propellant pressurization system. 1. Develop and initiate work states J. Provide technical inputs to cont k. Review and evaluate contractor p 1. Develop and initiate work states m. Review and approve contractor equals and and approve con	port of ordnance and pyrotechnic ments. tractor negotiations. proposals. ments. [uipment and factory test species	Vehicle. devices,
and propellant pressurization system. 1. Develop and initiate work statem J. Provide technical inputs to cont k. Review and evaluate contractor p 1. Develop and initiate work statem m. Review and approve contractor equ n. Initiate and review funding requi O. Prepare and present technical br. P. Monitor Milestone Schedules. q. Attend and present belowies.	port of ordnance and pyrotechnic ments. tractor negotiations. proposals. ments. pulpment and factory test specifirements and revise as necessar, defings.	Vehicle. devices,
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and propellant pressurization system. 1. Develop and initiate work states J. Provide technical inputs to cont k. Review and evaluate contractor p 1. Develop and initiate work states m. Review and approve contractor eq n. Initiate and review funding requience o. Prepare and present technical br. P. Monitor Milestone Schedules. q. Attend and present briefings as in special projects. s. TDY in support of the above.	port of ordnance and pyrotechnic ments. tractor negotiations. proposals. ments. pulpment and factory test specific direments and revise as necessar, defings.	Vehicle. devices,
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- e. Receive and give instructions.

 f. Phone conversations (related to above).
- 6. Release program data and functional information.

2. AIMINISTRATION (Indirect)

- a. Typing (inclusive of all associated tasks) and preparing correspondence, reports, plans, etc. b. Filing.

 - c. Distribution.
 - d. Telephone services.

 - e. Research (of correspondence, reports, plans, etc.).

 f. Personnel matters (time and attendance cards, leave, etc.). 8. Classified document control.
 - h. Receive and direct visitors.

A. TYPE OF OPERATION	CONDITIONS	
Manual .	B. NORMAL HOURS OF OPERA	
. MOVEMENT AND DISTANCE FACTORS	D. SPECIAL EQUIPMENT USED	U week)
None	None	
FATISUE CONSIDERATIONS		<u> </u>
None	F. HAZARDS	
OTHER CONDITIONS	None	•
None	H. CONDITIONS RATING FACTO	R
•	Average0	
COMPUTA	ATION OF STANDARD	
TEMS		AMOUNTS
A. DIRECT THE		- AMOUNTS
S. INDIRECT TIME		
c. PRODUCTIVE TIME (A plus B).		
D. LEVELED THE (C times Leveling Factor	•	
E. ALLOWED TIME (D time: Allowance Factor		
	, <u> </u>	
F. ADJUSTED WORKLOAD FACTOR VALUE		
6. WORK CENTER TIME STANDARD (B divided by F)		
H. AVERAGE MONTHLY WORKLOAD FACTOR		
I. WORK CENTER MANPOWER STANDARD (G times H c		
ARKS	ਸਾਰ ਕਰ <i>ਹੈ</i> 7 140)	

NAME AND TITLE OF FUNCTIONAL REPRESENTATIVE GEORGE W. WAITS, Maj., USAF Chief, Astro Vehicle Branch

TITLE OF STÄNDARDS TECHNICIAN
DAVID L. CALHOUR, Lt., USAF
Management Engineering Officer

TAB COMMENTS

Suggested workload factors for Astro Vehicle are as follows:

WIF # 1: AF and MASA Programs Supported

WLF Def: Total number of AF and MASA Programs supported by this

Source of Count: Local Records

WIF # 2: Mumber of Contractors Monitored
WIF Def: Number of contractors directly monitored.

Source of Count: Local Records

MANPOWER PERSONNEL CHART

AUTHORIZED

ASSIGNED

AFSC	Musee	ASI	FIGHED
2816 28350 28458 28450 70450	1 1 2 3 1 8	2816 28350 2845B 28450 70450	NUMBER 1 1 2 3 1 8

AUTHORIZED

AVINUKIZED.			w.	
<u>sc</u>	PN	AFSC		ASSIGNED
WA00 1721	0256	2816		AFSG
	1273	2835C		2816
	1024	2845B	•	2835C
	1025	2845B		2845B
	1026	2845C		2845B
	1274	2845C		2845C
	1358	2845C	•	2845c
	5345	70450		284 <i>5</i> C
		10.70		70450

TAB _ PAGE _ 5

	WORK CENTER D		DATE
1. FUNCTION AND SUSFUNCTION	CERIER D	ENCRIPTION	14 May 65
Agena Launch Vehicle 2. WORK CENTER (Include code)	Directorate -	Aerospace Ground Equipment Div	
colong Ruli	lpment (F/C 6000))	19700
a. COMMAND AF Systems Command	4. ORGANIZATION	AND LOCATION	
- Second Committee	He	adquarters, Space Combons D.	t on
S. WORK CENTER DEFINITION	Lo	s Angeles Air Force Station, Ca	lifornia
1. AGE SYSTEM MANAGE	MET (Direct)		
c. Accomplish en and quantitative requirements	ite systems launc gineering analysi lrements and time	the activation of AF/MASA Agen th complex conversions. s, design, development, test, on the delivery of all Aerospace Grant s.	
Q Mama	rea contractor b	roposal presentations.	
b. Plan and assig	n workload.		
Derticination	ilar management	and briefings, board and commit	tee
and sim		~~ マム ▼	•
The Automato have	mmal /	tings, evaluations	
e. Receive and mi	onnel matters (re	tings, evaluations, leaves et	e.).
e. Receive and gi- f. Phone converge	onnel matters (reve instructions.	tings, evaluations, leaves, et	e.).
e. Receive and gir f. Phone conversa g. Release program	onnel matters (reve instructions. tions (related to a data and functi	tings, evaluations, leaves, et	e.).
e. Receive and gir f. Phone conversa g. Release program	onnel matters (reve instructions. tions (related to a data and functi	tings, evaluations, leaves, et	e.).
e. Receive and gir f. Phone conversa g. Release program ADMINISTRATION (In a. Typing (inclusi eports, plans, etc. b. Filing.	onnel matters (reve instructions. tions (related to a data and functi	tings, evaluations, leaves, et	
e. Receive and gir f. Phone conversa g. Release program ADMINISTRATION (In a. Typing (inclusi eports, plans, etc. b. Filing. c. Distribution	onnel matters (reve instructions. tions (related to a data and function direct) we of all associated associated to the contract of the contrac	tings, evaluations, leaves, etc above). onal information.	
e. Receive and gir f. Phone conversa g. Release program . ADMINISTRATION (In a. Typing (inclusi eports, plans, etc. b. Filing. c. Distribution. d. Telephone servi	omnel matters (reve instructions. tions (related to a data and functi addrect) .ve of all associa	ated tasks) and preparing corre	
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A. TYPE OF OPERATION	CONDITIONS		
Manual .	S. NORMAL HOURS OF OPERATIO	B. NORMAL HOURS OF OPERATION	
. MOVEMENT AND DISTANCE FACTORS	0800 - 1645 (5 da	y week)	
None	D. SPECIAL EQUIPMENT USED NODE		
- FATISUE COMBIDERATIONS	F. HAZARDI		
None	None		
OTHER CONDITIONS		<u> </u>	
None	H. CONDITIONS RATING FACTOR		
COMP	Average0		
ITEM	TANDARD		
A. DIRECT TIME		AMOUNTS	
B. INDIRECT TIME			
C. PRODUCTIVE TIME (A plue B)			
D. LEVELED TIME (C times Leveling Factor	,		
E. ALLOWED TIME (D time: Allowance Factor			
F. ADJUSTED WORKLOAD FACTOR VALUE	,		
G. WORK CENTER THE STANDARD (E divided by	7.0		
H. AVERAGE MONTHLY WORKLOAD FACTOR			
I. WORK CENTER MANPOWER STANDARD (G times		•	

ROBERT G. WELLS, Maj., USAF Chief, AGE Division

DAVID L. CALHOUN, Lt., USAF
Management Engineering Officer
TAB PAGE 2

TAB COMMENTS

Suggested workload factors for Acorspace Ground Equipment Division are as follows:

WIF # 1: AF and MASA Programs Supported

WIF Def: Total number of AF and MASA Programs supported by this

Source of Count: Local Records

WIF # 2: Number of Contractors Monitored

WIF Def: Humber of contractors directly monitored.

Source of Count: Local Records

MANPOWER PERSONNEL CHART

AGE DIVISION

WORK CENTER

AUTHORIZED

ASSIGNED

NII MARA			
NUMBER 1 1 2	2816 70450	NUMBER 1 1 2	
	1	1 2816 1 70450	

AUTHORIZED

 SC
 PN
 AFSC
 ASSIGNED

 WACO 1728
 O217
 2816
 2816

 5347
 70450
 70450

TAB PAGE 4