

STS - 79

KSC RTLS Landing Operations Briefing

OMI HISTORY

SOO28 Rev. A0, Released 8-26-96

Objective: To provide overall control of convoy operations and integration of all elements supporting convoy operations.

SUMMARY OF SCHEDULED EVENTS

ON SEPTEMBER 16, 1996

- 0200 EDT - Begin Hazardous Badging and issuing radios. Personnel on site at the SLF MID-PARK SITE
- 0230 EDT - Orbiter Tech briefing in tech trailer.
- 0255 EDT- S0028 CALL-TO-STATIONS at SLF Mid-Park Site.
- 0330 EDT- Final Convoy Briefing.
- 0400 EDT- Forward convoy deploy to runway.
- 0454 EDT- STS-79 Launch Window Opens (Window 7 minute)

ON SEPTEMBER 26, 1996

- 0814 EDT- Planned EOM at KSC (Prime Site and Rev)

RTLS Convoy Operations Notes

- All convoy personnel need an AREA ACCESS BADGE with number 27 and 70 to receive a CONVOY HAZ BADGE.
- Do not park non-convoy vehicles on the paved area at the SLF Mid-Park Site. This area is reserved for convoy vehicles only.
- Pick up radios at SCAPE Base, prior to Call-To-Stations. Radios will be issued by call sign only. Know your convoy position prior to radio pick up.
- After a successful launch, return your radios to SCAPE Base.
- Only personnel performing critical tasks will be allowed up to the orbiter prior to Total Downgrade. Unless your position or vehicle are called to the orbiter, remain at 1250 ft. until total downgrade.
- Blue collar coveralls will be required by all personnel within 1250 ft. of the orbiter prior to Total Downgrade.

**ENSURE PROPER PAPERWORK DISCIPLINE AND
FOLLOW THROUGH ON CLOSURE.**

STS-79 KSC Landing Opportunities

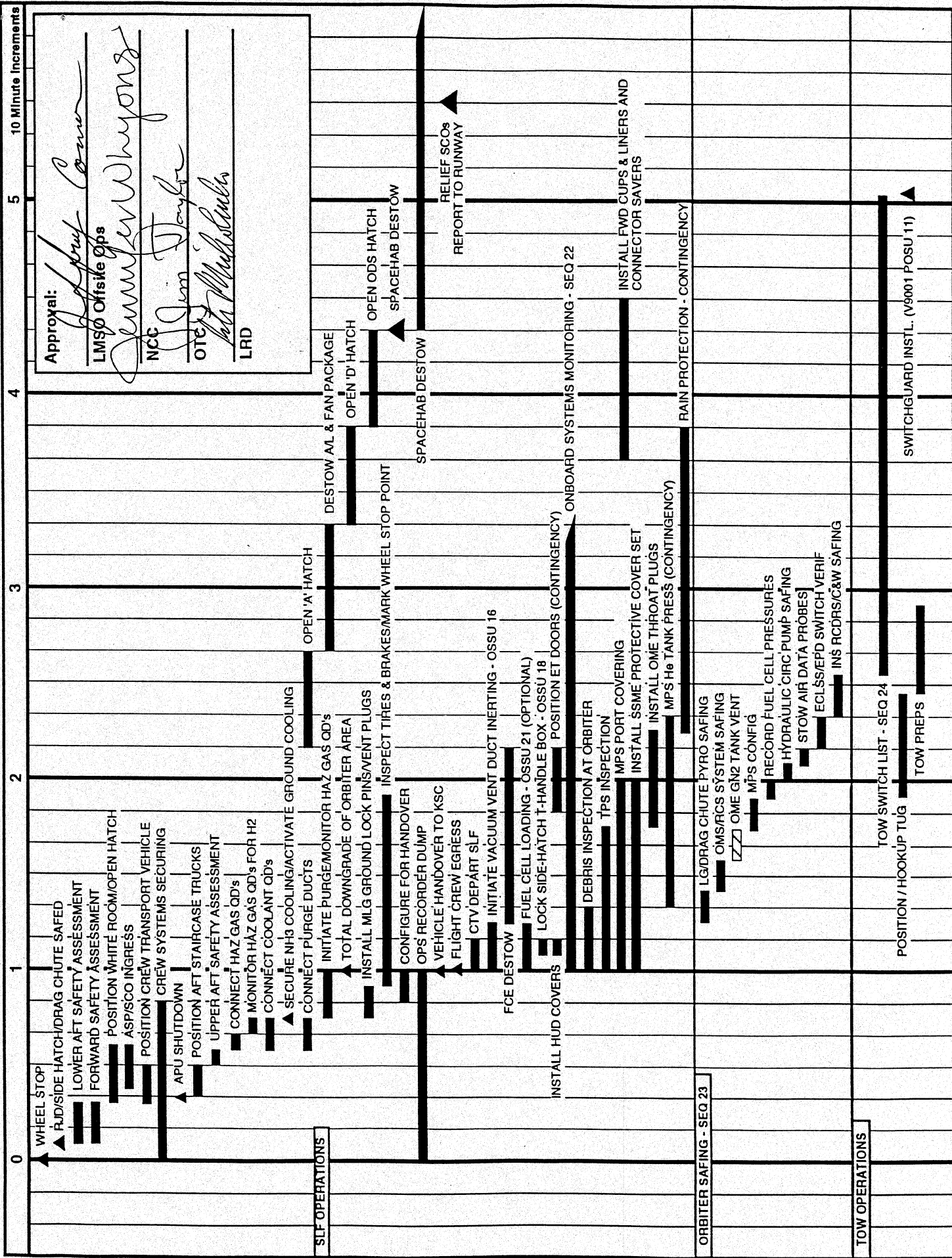
REVISED

<u>Date</u>	<u>Rev</u>	<u>Landing Time EDT</u>	<u>Convoy Release</u>	<u>Report Time</u>	<u>Call-To- Stations</u>
Mon, Sept. 16	Launch	0454	TBD	0200	0255
Mon, Sept. 16	AOA 6**	1304	TBD	Supported by	RTLS Convoy
Tue., Sept. 17	17	0508	0108	0200	0308
Wed., Sept. 18	32	0335	2335 (Sept. 17)	0030 (Sept. 18)	0135 (Sept. 18)
Thur., Sept. 19	48	0353	2353 (Sept. 18)	0100 (Sept. 19)	0153 (Sept. 19)
Fri., Sept. 20	68	1100	0700	0800	0900
*Sat., Sept. 21	84	1137	0737	0830	0937
*Sun., Sept. 22	99	1037	0637	0730	0837
Mon., Sept. 23	114	0937	0537	0630	0737
Tue., Sept. 24	130	1014	0614	0715	0815
Wed., Sept. 25	145	0913	0513	0615	0715
Thur., Sept. 26 (EOM)	160	0811		0500	0611
Fri., Sept. 27 (EOM + 1)	176	0846		0545	0645
Sat., Sept. 28 (EOM + 2)	191	0745		0445	0545
Sun., Sept. 29 (EOM + 3)	207	0820		0515	0620

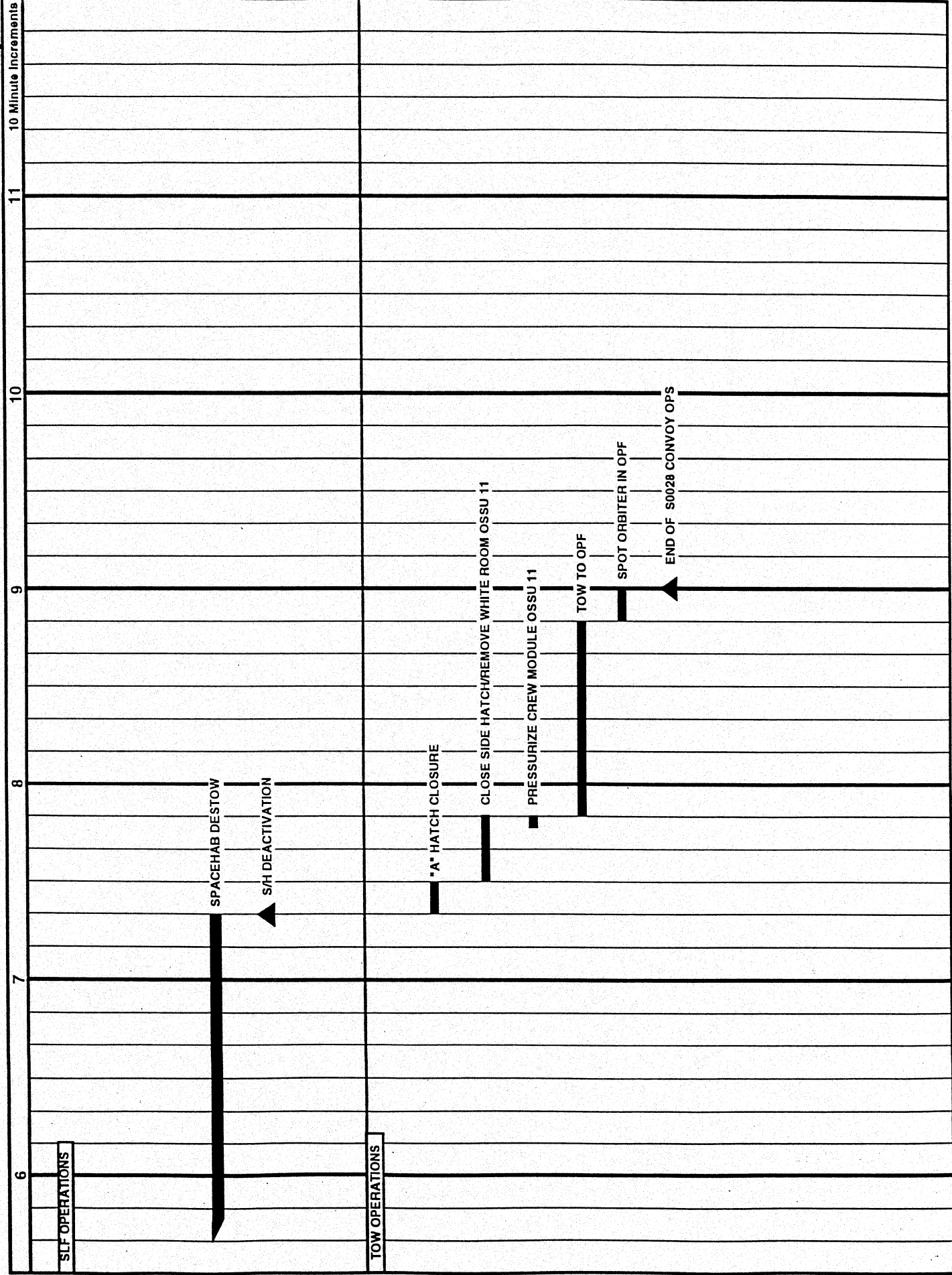
KSC convoy personnel will report to the SLF during first shift support, only if a landing is declared.

* - Personnel convoy personnel will report to the SLF if KSC is declared prime PLS for the day.

STS-79 S0028 Rev. O Shuttle Landing



STS-79 S0028 Rev. O Shuttle Landing



RUNWAY

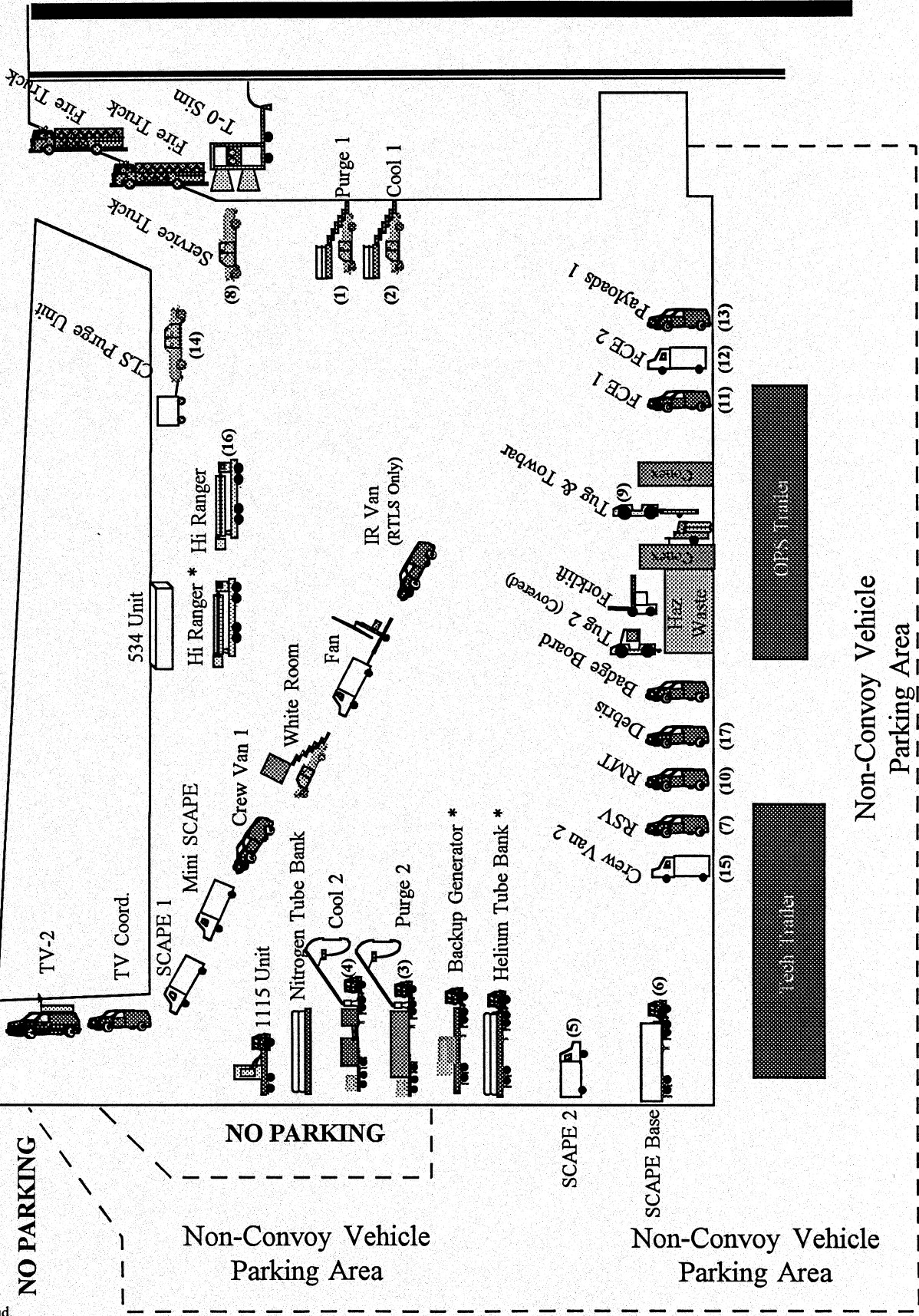
Gate 5

Midfield Parksite Convoy Layout

(Forward Convoy Line-up Prior to Deployment)

Sharkey Road

- Security
- Road Block
- NCC Van
- Washdown Truck



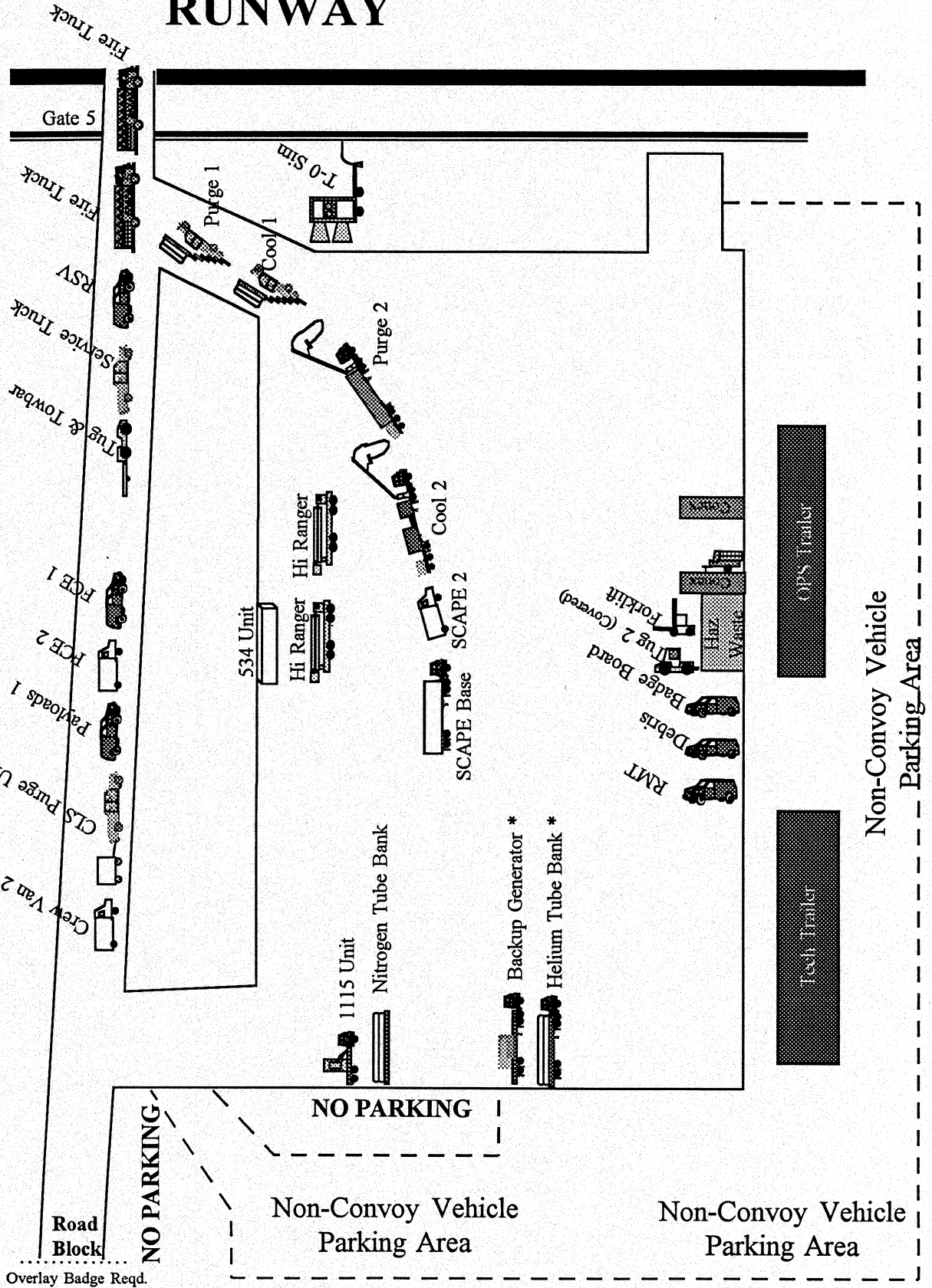
Non-Convoy Vehicle Parking Area

Non-Convoy Vehicle Parking Area

Overlay Badge Req'd.

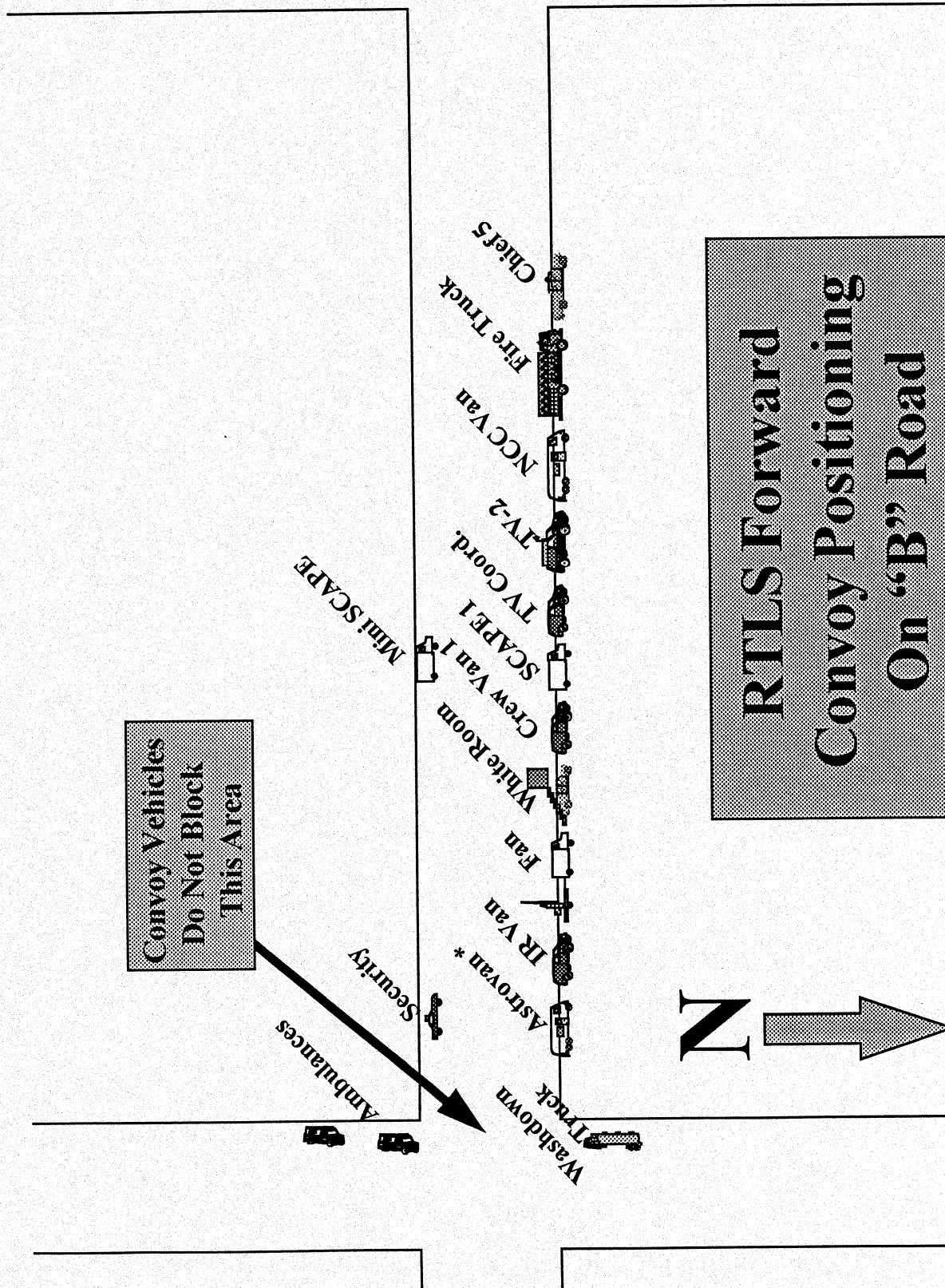
RUNWAY

Midfield Parksite Convoy Layout (Aft Convoy Line-up Prior to Deployment)



Runway

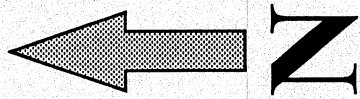
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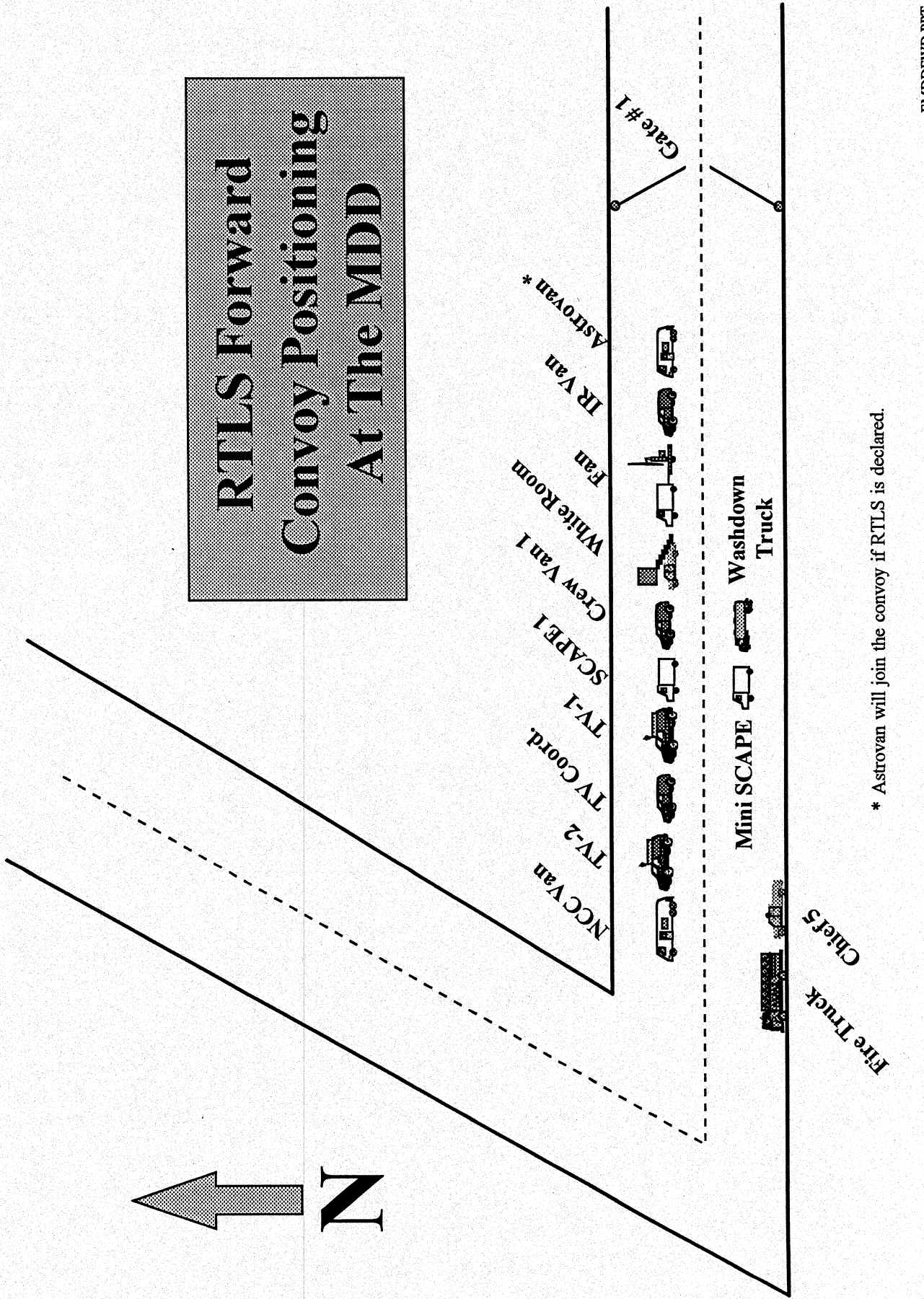
Convoy Vehicles
Do Not Block
This Area

RTLs Forward
Convoy Positioning
On "B" Road

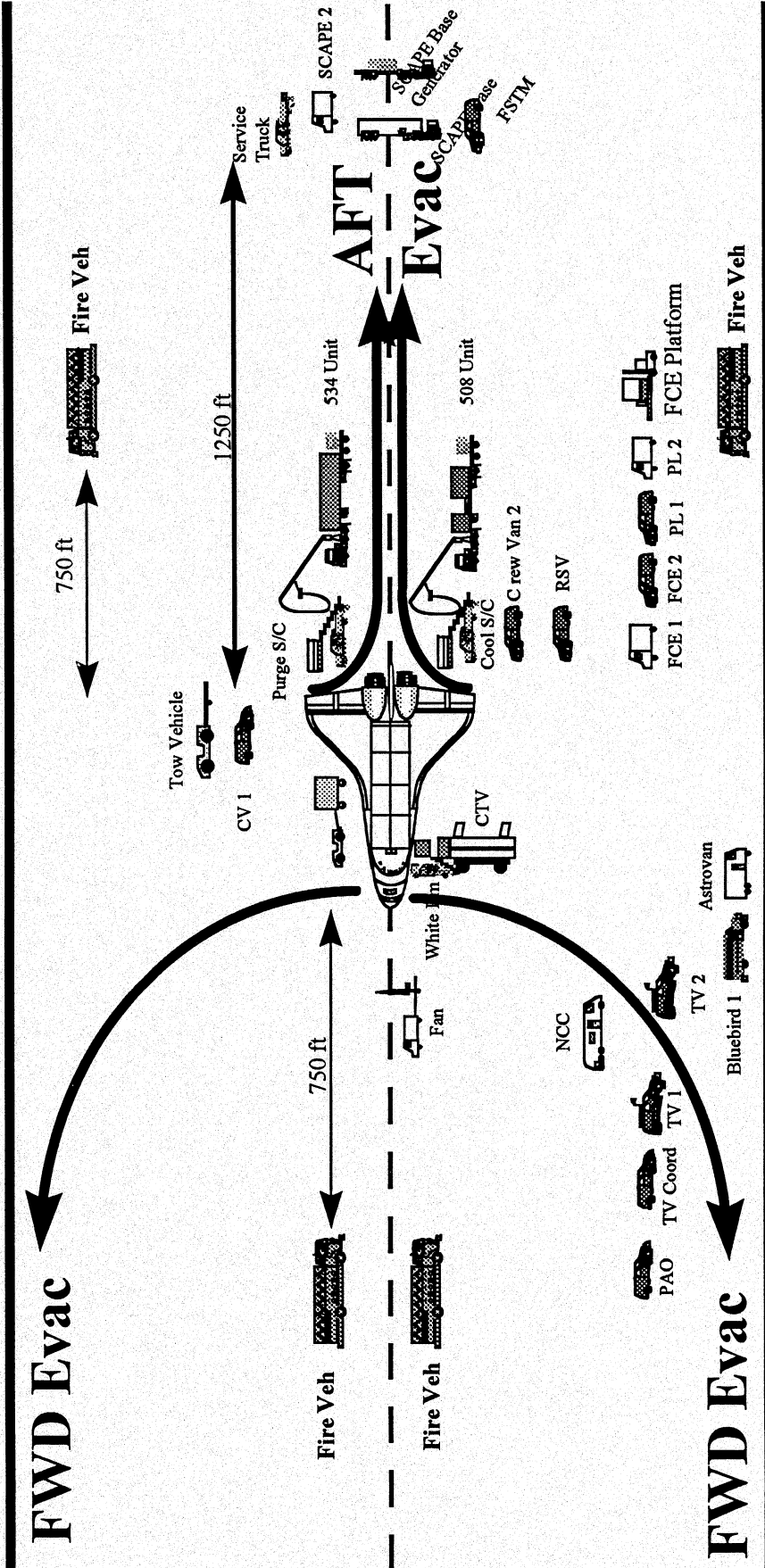
Note: All Forward Convoy Vehicles Should Pull One Set of Wheels off the Pavement to Allow Emergency Vehicles to Pass If Required.



**RTLs Forward
Convoy Positioning
At The MDD**

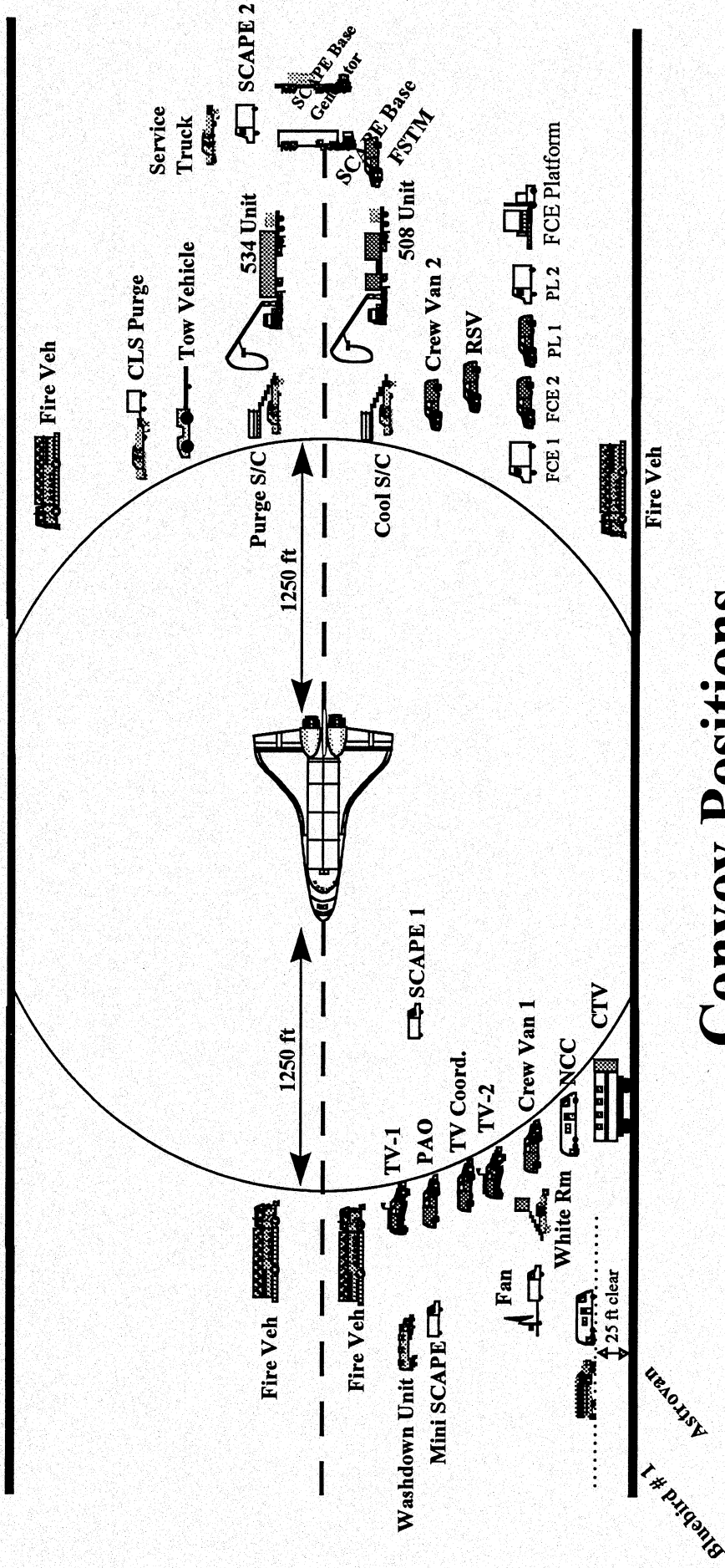


* Astrovan will join the convoy if RTLs is declared.



Convoy Positions After Downgrade and Emergency Evacuation Routes

(NCC Van & CTV Are the Only Vehicles That Drive to the Fallback Area)



Convoy Positions After Wheelstop

STS-79 S0028 RTLS LRD SPECIAL INSTRUCTIONS

1. LRD OPERATIONS

For S0028, the LRD is responsible for providing management support and coordination between the KSC Convoy, JSC, DOD assets, KSC Firing Room Test Team, SLF, KSC support and senior NASA management. The LRD will be located in LCC-1 at console AB-8 from L-4 hours. The LRD command channel is OIS-135 and the LRD console phone number is 861-LRD1 (861-5731). The LRD/NTD office phone number is 867-4735. After hours, the LRD can be reached through the console NTD at 861-NTD1 (861-6831).

2. CONTINGENCY OPERATIONS

The LRD is responsible for managing and directing the KSC Landing Contingency Forces. The Convoy Commander is the on-scene commander for mishaps on or near the runway (Mode V or VI) and the Rescue Operations Commander is the on-scene commander for mishaps off the runway (Mode VII). The LRD will coordinate emergency medical services and MEDEVAC support as required and will direct security forces to secure the area for the Mishap Investigation Team and subsequent salvage/recovery operations. The primary communications nets used during contingency operations are as follows:

1. **Console Operations** - LRD, EMS, DOD, Fire, Security, Safety, OTC, STM - OIS 135.
2. **Rescue Operations** - LRD, ROC, Chief 5, LRL, EMS, DOD Helos - Net 205/216.
3. **Convoy Operations** - LRD, NCC, *FLT - Convoy Command Net.

3. SLF ACCESS CONTROL

Access to the midfield site for landing requires a vehicle placard and an individual badge overlay. OIC's will check all personnel for a number '27' and a '70' on their KSC area permit badges prior to issuing a haz badge. Personnel without the appropriate numbers and a midfield overlay will be denied access to the runway. Access to the LACB will require a LACB vehicle placard only. Placards and overlays have been distributed by the LRD and should be used for both RTLS and EOM. Supervisors need to ensure that placards and overlays are available to personnel required to support a KSC landing any time from launch through EOM.

Recipients of placards/overlays should only distribute them to personnel *essential* to the operation. Retain placards/overlays in the event of a launch slip as they will not be redistributed.

4. CALL LIST/BEEPERS

Each day during the mission, the Mission Management Team selects the next day PLS. Upon selection, the 7-3900 recorded phone will be updated. The LRD/NTD call list will be used to notify appropriate personnel if any contingency landing is required. Pagers should be kept with responsible persons on a 24-hour basis during the mission. If KSC is designated for a contingency landing, the LRD or NTD will broadcast the following message on pagers:

"Convoy OPS....Convoy OPS....All Personnel Report to the Runway"

When the message to respond to a contingency is received, immediately call your primary contact(s) or the NTD/LRD to confirm notification - then call everyone in your call matrix.

5. LANDING TIMES

The LRD is the KSC official point of contact for landing times. If there are any questions concerning KSC landing times or possible landing changes - call the LRD. STS-79 KSC landing is scheduled for Thursday 26 September 96 @ 0811 EDT.