

2-Way Memo

Subject: **Status of STS 9 SL Systems
Crew Training Preparation**

INSTRUCTIONS

Use routing symbols whenever possible.

SENDER (Originator of message):

Use brief, informal language.

Conserve space.

Forward original and one copy.

RECEIVER (Replier to message):

Reply below the message, keep one copy, return one copy.

To : **STS 9 and STS 18 Crews**

cc: J.W. Bilodeau
R.K. Holkan
W.M. Merritt
A.L. Accola
R.B. Lanier

J.A. Wegener
J.C. Smith
R. Hermling
H.B. Sampson

DATE OF MESSAGE

6/25/83

ROUTING SYMBOL

D66

SIGNATURE OF ORIGINATOR

Alan C. Holt

TITLE OF ORIGINATOR

Spacelab Sys. Trn. Sup.

MESSAGE

By the end of June, we will have completed the initial checkout of SLS malfunctions. As you know there are very few malfunctions which work well in the 901 load. We don't expect much improvement in the 902 load, but we ~~do~~ do expect nominal operations to be acceptable. We will be doing what we can in checking the 902 load during tests with the PCTC to see if any major problems remain — with the idea of getting them fixed before the 902 load is delivered.

- (1) Prior to 902 load delivery ^(7/25) we will conduct the following lessons: S COMS MALF 2160 (Ready For Trn. July 5), S ACT/OPS/DEACT/MAL 3160 (RFT July 14), S ACT/OPS/DEACT/MAL 360 (RFT July 20).
- (2) Prior to 902(A) load delivery ^(8/29) we are planning to conduct S ACT/OPS/DEACT/MAL 9160 (RFT August 10) and 9260 (RFT August 17).

From : (See attached sheets)

* We are working with Singer-Link to see if we can identify workarounds for some of the malfunction problems. Some have been found for EPOS.

RETAINED BY ADDRESSEE

5027-107

DATE OF REPLY

ROUTING SYMBOL

SIGNATURE OF REPLIER

TITLE OF REPLIER

- (3) After 902A load delivery, we are planning to conduct two malfunction sessions covering EPDS/ECSX COMS malfunctions based on the greater malfunction training capability which the 902A load will provide.

I know it was your hope that we could complete most or all of the SMS/SLS crew training prior to the start of the integrated Sims. That was our goal also, but it has proven to be unrealistic and not at all a surprise to me (based on past experience).

For the crew training sessions following the SCMS MAF 260 lesson, we would like to work with you closely to determine the content of the lessons. Safety related training will receive our highest priority, but there may be other malfunctions which you may also like to see included in the on-orbit ops sessions and in integrated Sims.

Because of the lack of SLS/SMS fidelity and developmental problems, we may need to conduct special briefings to cover

areas of concern. These briefings could address certain malfunction & procedures or an update of the results of KSC testing. We would request DF personnel and perhaps other systems experts to support these briefings.

We are planning to ask DF systems personnel to support future crew training sessions since we have not had enough checkout time to verify the effectiveness ^{of malf proced.} prior to the crew training sessions. I understand that some of the procedures are not complete and are misleading.

Finally, we have integrated Problem Incident Report priority lists for nominal operations and malfunctions which Singer-Link will use to determine what they can get into the 802A load. We would like to discuss the priority lists with you to get your inputs in addition to inputs from DF which we have requested.

We'd like to discuss the above items with you
some time after July 4.