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Note of Interest - LM lunar impact procedures for Apollo 14

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Enclosed is the P99 procedure to be employed by the ground for executing the LM lunar impact for Apollo 14. The procedure is designed for ascent stage only impact using 4-jet RCS, although the latter can be modified to 2-jet if required. Any contingency requiring impact of the total LM stack may require some revamping. (*not in P99*).

Kenneth Russell
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CBP
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Enclosure

Distribution:

CB/E. A. Cernan	FC8/C. B. Shelley
A. B. Shepard	FC6/R. A. Hoover
D. R. Scott	G. M. Ferguson
J. W. Young	R. L. Meyers
FA/S. A. Sjoberg	L. A. Reitan
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FC1/E. F. Kranz	FS5/J. R. Garman
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G. S. Lunney	MIT/S. Copps
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FC2/C. S. Harlan	A. M. Worden
FC3/A. D. Aldrich	V. D. Brand
FC4/J. E. Hannigan	R. E. Evans
FC5/J. C. Bostick	J. H. Engle
P. C. Shaffer	J. B. Irwin
FC55/E. L. Pavelka	C. M. Duke
C. F. Deiterich	CF6/T. W. Holloway
J. E. I'Anson	S. H. Gardner
W. J. Boone	E. B. Pippert
B. T. Spencer	C. L. Stough
W. M. Stoval	T. R. Lindsey
H. D. Reed	FM/J. P. Mayer
FC56/C. B. Parker	FM5/R. L. Berry (4)
W. E. Fenner	
J. W. Mill	
W. S. Presley	
J. G. Renick	
K. W. Russell	

P99 Execution

Uplink: LM State Vector (Deorbit Tig - 10 min)

P30 Target Load

P99 Erasable Loads (3)

LM Deorbit Burn Pad

Verify Prior to Jettison: P30 Completed

Uplink - Data

PGNCS Auto

APS Engine Arm-Off

Ground Execute the Following:

Prior to LOS Rev 33: 1. V05N26E

R1 = 13001

R2 = 01420

R3 = 12067

2. V96E

3. V30E

4. P99

V50N18F

At AOS Rev 34:

5. V33E (Trim)

E (No Trim)

6. V06N40 (Ullage on at Tig) = 0

7. V16N40F (Ullage Off at C/O)

V33E

8. V16N85F (Observe Residuals)

V33E

9. V37F

OOE

ENCLOSURE