

UNITED STATES GOVERNMENT

Memorandum

Thornton

TO : See list below

DATE: December 5, 1969

FROM : CB/W. B. Lenoir

SUBJECT: Caution and Warning Parameters

It is time to start considering the Caution and Warning Parameters for the Cluster. As a start, would you please give me a list of any parameters that you think are even remotely worthy of consideration (see attached groundrules) for C & W in the cluster as a whole and, in particular, in your areas of responsibility. Indicate the parameter, its system (e.g. EPS, ECS), a brief description, and your feelings about it. If you feel strongly about any parameters, say so, and they will not be dropped without giving you a chance at rebuttal.

Please send these to me ASAP, as we will begin discussions with contractors, MSFC, AAPO, FOD, etc. around 17 December.

Thanks.

WBL

William B. Lenoir

Addresses:

CA/T. McElmurry
CB/AAP Astronauts
CF131/A. Crews
CF131/D. Grimm
CF131/J. Joerns
CF22/R. Hahne
CF22/D. Hudson
CF22/J. Whiteley
CF23/C. Wheelwright
CF24/P. Kramer

CB:WBLenoir:dr 12-5-69



5 Dec. 1969

W. B. L.

Caution and Warning Parameter Definitions

Parameters monitored by the C&W System shall be categorized as either EMERGENCY, WARNING, or CAUTION. Criticality and/or crew response shall be used to determine the category of a parameter. Emergency, Warning, and Caution categories are defined as follows:

a. EMERGENCY - Any condition which can result in crew injury or threat to life and requires immediate corrective action, including pre-determined crew response.

b. WARNING - Any existing or detectable impending condition or malfunction of a cluster system that would adversely effect crew safety or compromise primary mission objectives. Requires immediate crew action.

c. CAUTION - Any out-of-limit condition or malfunction of a cluster system that effects primary mission objectives; or could result in loss of a cluster system if not responded to in time. Requires crew action (although not immediately).