

RECORD OF [] VISIT [X] CONFERENCE OF [] TELEPHONE CALL		Time —	Date 15-16 Aug 79
Name(s) of Person(s) contacted or in conference and location		Routing	
		Symbol	Initials
Man-Machine: COM, Orster, Allison, Semmon, Dorfan, Emlyason			
General & Sequence Meeting (in addition to the above)			
Rogovin, Frampton, Burtch, Johnson et al, Owen, Miss Peterson			
Subject Review of report outline & projected work		File:	
Digest			
<ul style="list-style-type: none"> • Generally favorable ^{from man-machine group} reactions, with one exception. The Essex Program was deemed to be too ambitious • Meeting was valuable to SIG • Areas/comments which we should consider <ol style="list-style-type: none"> 1. The objective of the SIG activity is not clearly defined 2. Recommendations should not be too specific 3. Should explore why operators did not believe instruments (training? ... operational experience?) 4. Possible use of TMI-2 as an expanded data base 5. Should look at the human factors aspects of the block values 6. Concentrate on what info was available to the operators in the real, normal sense ... not what was inferable after tests ... make this distinction in the chronology (no one else has!) 			
Conclusions, Action Taken, or Required			
1. Should setup TMI event for peer review group members		4. Critical review of Essex work plan	
2. Send material to Alvarez			
3. Get recent Lockheed reports.		5. Critical HF issues list	
Date 8/16/79	Title Consultant	Signature O'Malley	

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7. Institutional issues must be part of investigation
by design quality control, design bans accidents etc
8. Lockheed (Seminar) has a report about to be
released on short, short term human engineering fixes that can
be applied to control rooms in other projects for EPRI
include maintenance, performance measurement of
operators and a design guide for control rooms
9. Major question as to just what tasks is an
operator expected to perform.
10. No standards for (9) or, alternatively, no population
base identified to which the design is to be tailored
11. Boss-operator relationship should be examined
12. Precursors should involve events where comparable
stress was encountered
13. Adequacy of simulators should be a major point... ^{would help}
_{operator =}
_{exercise}
14. What was scope & philosophy behind emergency
procedures ... not just did operators follow them
(can't write a procedure for everything)
15. Videotape really ought to be done at TMI
16. High level of interest on who or what office @ NRC
passes upon control room adequacy
17. Need to review H.F. criteria at the contract phase.
18. Should more clearly identify human factors issues