

TCS-4056/66
22 July 1966

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MEMORANDUM FOR THE RECORD

SUBJECT: Controlled Range Network (CORN) Program Meeting
Held at AFSPPF on 20 July 1966

1. The meeting which was held the morning of 20 July proved to be both informative and beneficial to the NPIC/TID representative. Representatives at the meeting were as follows:

Capt. Koch	NRO
Col. Webb	DDS&T
Col. Ohlmeyer	AFSPPF
Maj. Breneer	AFSPPF
Capt. Woods	AFSPPF
Capt. Duvall	AFSPPF
Capt. Duncan	AFSPPF

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Dr. Schoessler	EK
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2. Capt. Woods gave a briefing on target availability, site manning effectiveness and target research and development. He also brought to the attention of the group two new targets which will be included with each portable array. These are the tri-color patch and the psuedo sinc targets. Manuals furnishing technical data, i.e., reflectance, dimensions, etc., were distributed to the group at the end of the meeting. The TID representative received two copies, one of which has been given to TID/TAB and the other will be retained by TID/TSB.

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3. Capt. Koch indicated during the target availability discussion that the targets would no longer be programmed on KH-4 missions since the number of KH-7 and KH-8 missions (20) scheduled for the next year will demand practically all the scheduled time of the existing eight portable arrays. Col. Webb inquired about target availability on the PG and J-3 system and received a negative answer. Capt. Koch requested that for the sake of conserving time and increasing mobility, a fewer number of bars be displayed at the sites. Since the two systems have a capability of less than five feet, starting with five foot bar groups rather than eight foot bar groups would be more feasible. AFSPPF personnel indicated that this has already been considered and will be indicated in CORN target recaps.

4. The site manning effectiveness portion of the briefing included a comparison of objective target analysis (edge trace analysis) and visual readings of the bar targets. This comparison showed no correlation whatsoever and the group concurred that no meaningful information could be ascertained from this analysis.

5. The target development portion of the discussion brought up the validity of information derived from the target analysis, especially when it was stated that a psuedo sinc target with light backing for use during night time acquisition was under development. The Eastman Kodak representatives had also been requesting additional technical data during photographic acquisitions which requires rather expensive instrumentation. Capt. Koch stated emphatically at this time that the validity of information derived from the program should be proven before large sums of money are invested especially since this is not a scientific approach to image quality evaluation.

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6. The EK and NPIC representatives gave their opinion of the use of the CORN program which essentially was the same. Both have used the targets in scene luminance studies, edge trace analysis and ground truth studies. Since wave targets were requested by both representatives for use in edge tracing; however, because of the eminent discontinuation of edge tracing by EK and AFSPPF there was no response to the request. Dr. Schoessler did request use of the point light source target and decreasing the gray scale from eight density levels to three levels - low, medium, and high. This request was granted since all targets are available with each portable site.

7. Concluding, should NPIC have any interest in the CORN program as a tool in image quality evaluation an effort should be made during the next three months to record and analyze the data derived from target acquisitions in both evaluation and mensuration. This was a preliminary meeting mainly to generate interest in the program and any contribution at the October meeting of the CCB, either negative or affirmative, may have a significant bearing on the future of this program.



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TID/TSB

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