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10 February 1959

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MEMORANDUM F	OR: Deputy Director (Plans)	
ATTENTION		25X1
	"Countdown" Modification Kits for System I	
SUBJECT	and VI Recorders	
REPERENCE	: DPD-0751-59, dated 27 January 1959	
inch magneti	information recorder for Systems I and VI employs one quarter ic tape which moves at 2 inches per second. The frequency the recorder extends to a high limit of 3750 cycles per and which the response drops off sharply.	
a high PRF with improve	re have been several recent intercepts wherein it appears that was employed which was beyond the present recording capability. Sments in missile guidance and fire control radar it is constly that higher PRF's will be employed, possibly of the order 15,000 cycles per second.	
quencies vi- modification high as 15, of counting recording h from 3750 t	thout redesigning the entire recorder, MRB has developed a for the recorder which will permit recording frequencies as 000 cycles per second. This modification consists essentially the incoming pulses and applying every fourth pulse to the eads, thus extending the upper frequency limit of the recorder o 15,000 cycles per second.	
4. It ention kits	is recommended that a quantity of five of the above modifi- be procured for incorporation into existing recorders.	
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