				25X
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	MEMORANDUM FOR:	Deputy Director of Co	entral Intelligence	
	THROUGH :	Deputy Director for	Intelligence	
	SUBJECT :	Approval to Contract	for the Complete Design of a Scan and	25X
K 1		Search Photo Interpr	retation Station with the at a Cost of	25X
				
	an NPIC contraction 2. It is the which would be	proposed that a photo specifically configure	proval for the commitment of funds for est is stated in Paragraph 10. interpretation station be designed ed for the scan and search task. It iewer combined with a small integral This configuration would allow the	
*.	light table wit interpreter to moderate magnif also permit him magnification of	search large volumes (ications) in relative to inspect small are on the same roll of fine completeness, and ac	This configuration would allow the of film (monoscopically and at low to ely short periods of time. It would eas of interest in stereo and at high ilm. This configuration should improve ecuracy of the search task. This station recast of large volumes of film from the be modified for use with the system.	25>
X1	reconnaissance ing at film on it offers no man direct viewing stereomicrosco quality image, they present a	neral, there are sever imagery: (1) Direct a light table. This agnification (image er, with the use of optipes and microstereoscothe highest magnification (limited field-of-vier	ral accepted methods of viewing viewing with the "naked" eye, i.e., look- method is the easiest and fastest, but nlargement) or stereo capability; (2) ical aids such as simple magnifiers, copes. These methods offer the best eation and a stereo capability; however, we and some of the equipment is difficult reprojection Viewingwhere the image is as offers a magnified, monoscopic image earching large volumes of film. Rear pro-	
	and time-consu	- James gareen. Thi	arching large volumes of film. Rear pro-	

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ا _ب بر	SUBJECT: Approval to Contract for the Complete Design of a Scan and Search	051/4
_	Photo Interpretation but of the Photo Interpretation but of th	25X1
25X1	at a Cost of	
	very small area seen through a microscope. This much larger ground area permits the utilization of contextual clues in finding and identifying targets of interest and to scan large volumes of film in relatively short periods of time. This is due to the fact that the area of the field-of-view of a rear projection viewer is as much as fourteen times that of a direct viewing microscopic systemoperating at the same magnification. Furthermore, viewing microscopic systemoperating at the image should a team concept of	
	4. The use of rear projection viewers, however, has been largely discontinued at NPIC because in recent years, increases in image quality	
	pection viewers. Recommended in possible to build a rear projection heat filtering, xenon arc lamps, rapid film loading techniques, are projection heat filtering, xenon arc lamps, rapid film loading techniques, are projection optical design capabilities, now make it possible to build a rear projection optical design capabilities, now make it possible to build a rear projection optical design capabilities, now make it possible to build a rear projection optical design capabilities, now make it possible to build a rear projection optical design capabilities, now make it possible to build a rear projection optical design capabilities, now make it possible to build a rear projection optical design capabilities, now make it possible to build a rear projection optical design capabilities, now make it possible to build a rear projection optical design capabilities, now make it possible to build a rear projection optical design capabilities, now make it possible to build a rear projection optical design capabilities, now make it possible to build a rear projection optical design capabilities, now make it possible to build a rear projection optical design capabilities.	
	easier film loading that when combined with recently improved the rear projection viewer, when combined with recently improved the rear projection viewer, when combined with recently improved the improve the equipment (light tables, microstereoscopes and rhomboids), will improve the equipment (light tables, microstereoscopes and rhomboids), will improve the equipment (light tables, microstereoscopes and rhomboids).	
	scan and search techniques will never be as good as an image visit the direct screens, a projected image will never be as good as an image visit the direct screens, a projected image will never be as good as an image visit the direct screens, a projected image will never be as good as an image visit the direct screens, a projected image will never be as good as an image visit the direct screens, a projected image will never be as good as an image visit the direct screens, a projected image will never be as good as an image visit the direct screens, a projected image will never be as good as an image visit the direct screens, a projected image will never be as good as an image visit the direct screens, a projected image will never be as good as an image visit the direct screens, a projected image will never be as good as an image visit the direct screens, a projected image will never be as good as an image visit the direct screens.	•
	Although these two instruments could be used separately, it would not require either duplicate copies of the same film or the P.I. would have to remove the film from the projector and reload it onto a light table, a very	
25X1	5. The proposed Scan and Search Station is specifically configured for the KH-4 image). It would it could be used for the KH-4 image.	25X1
	He could then project a target of interest he can simply the film either	
	film to an integral right with a microstereoscope. The rear projection monoscopically or in stereo with a microstereoscope. The rear projection	25X1
	Screen which NPIC Is cultured because	20/(1
	6. The probability of success is very high for this program because it basically consists of designing the most efficient equipment configuration, it basically consists of designing the most efficient equipment configuration, it basically consists of designing the most efficient equipment configuration, it basically consists of designing the most efficient equipment configuration, it basically consists of designing the most efficient equipment configuration, it basically consists of designing the most efficient equipment configuration, it basically consists of designing the most efficient equipment configuration, it basically consists of designing the most efficient equipment configuration, and the most efficient equipment configuration, it basically consists of designing the most efficient equipment configuration, and the most efficient equipment configuration.	25 [°] X1
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25X1	Approved For Release 2003/12/19 : CIA-RDP78B95171A000800070098-8	
<i>*</i>	SUBJECT: Approval to Contract for the Complete Design of a Scan and Search Photo Interpretation Station with the	25X
25X1	at a Cost of	
25X1	this configuration are results of recommendations made by under NPIC's Imagery Interpretation Research Program. he selected contractor, has a proven history of success in developments of this type.	25X 25X
25X1	7. Sterility Code is appropriate for this work. The Agency association with the project will be classified Confidential, but the work and project title will be Unclassified. The Project Officer will assign security classifications to the reports.	
25X1	8. The program requires a six month period for completion of the engineering design at a cost of This time period will allow a engineering design at a cost of This time for evaluation prior to the	
25X1	follow-on fabrication of a prototype in time for eventually cost in- advent of the first operational The total project cost in-	
25X1	approximately At the present time NIO recommends approximately At the present time NIO recommends approximately for the design effort. This effort will produce a final cation be made only for the design effort. This effort will produce a final cation be made only for the design effort. This effort will produce a final cation be made only for the design effort. This effort will produce a final cation be made only for the design effort. This effort will produce a final cation be made only for the design effort. This effort will produce a final cation be made only for the design effort. This effort will produce a final cation be made only for the design effort. This effort will produce a final cation be made only for the design effort.	
25X1	9. Although this project will concentrate on the design of a system to exploit	25X
25X1	10. It is requested that approval be granted for negotiations with at a level of for the design of a Scan and Search Photo Interpretation Station from FY-1969 funds.	25X
	ARTHUR C. LUNDAHL Director	
•	National Photographic Interpretation Center	· - · ·
25X1	Attachment: (1) Report - 3 - Approved For Release 200342/19: CIARDP78B05171A000800070098-8	25X
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SUBJECT:	Approval to Contrac Photo Interpretation			of a Scan and	Search
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APPROVED:	R. J. St. Deputy Director for		-	Date	ATTERNET SECTION SECTION
APPROVED:					
	R. E. Cush Lieutenant Ger eputy Director of Co	neral, USMC	nce	Date	
2 - 1 3 - 0	NPIC/TSSG/SC&PS (Afdor) DDI D/PPB	ter approval)			
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