

MEMORANDUM FOR: TSSG Division & Staff Chiefs

The attached copy of the FY-71 Budget is for your information. There will be a meeting on the budget in [] office tomorrow, 18 July 1969 at 1100 for all Division and Staff Chiefs.

[]

[]

17 July 1969

(DATE)

FORM NO. 101 REPLACES FORM 10-101
1 AUG 54 WHICH MAY BE USED.

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Approved For Release 2003/03/28 : CIA-RDP78B05171A000200030009-6

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SECRET

(When Filled In)

FY-1971

25X1

Component TSSG

Planning Level \$ _____
(Thousands)

Date 11 July 1969

Object Class 25 (Other Services)

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
Crucial 25X1	[] Equipment Maintenance				Contract for highly specialized repair and calibration services required to keep the [] Dual Screen Measuring Projector [] and the High Precision Stereo Comparator [] in operation. (ESD/EPB)
Crucial 25X1	[] AP-3 Maintenance				Contract to provide specialized repair and maintenance services for Analytic Plotter. (ESD/EPB)
Crucial 25X1	[] Equipment Maintenance				Contract to provide specialized repair and maintenance services for [] processing equipment. (ESD/EPB)
Crucial 25X1	[] Equipment Maintenance				Contract is to provide specialized repair and calibration services for [] Microdensitometers and Comparators. (ESD/EPB)
Crucial 25X1	[] Maintenance				Contract for maintenance of calculating equipment used for analysis and evaluation of film. (ESD/EPB)
Crucial 25X1	[] Equipment Maintenance				To provide maintenance and repair of [] display units scheduled to become operational during FY-70. (ESD/EPB)
Crucial 25X1	[] Equipment Maintenance				To provide maintenance and repair of [] Printers scheduled to become operational during FY-70. (ESD/EPB)
Crucial	*Teletype Equipment Maintenance				To provide for maintenance and repair of Teletype Equipment. (ESD/EPB)
Crucial 25X1	[] Equipment Maintenance				Contract to provide maintenance and repair of comparators and viewers in operational use. (ESD/EPB)
Crucial	General Repair & Engineering Services				To provide miscellaneous repair, modifications and engineering services for general items of exploitation equipment. (ESD/EPB)

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*Reduced if additional maintenance personnel assigned.

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25X1

Component TSSG

Date 11 July 1969

Object Class 25 (Other Services)

Planning Level \$ _____
(Thousands)

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
Crucial 25X1	[] Maintenance	[]	[]	[]	Contract for specialized repair services for [] viewing equipment. (ESD/EPB)
Crucial	[]	[]	[]	[]	To provide technical back-up in the highly specialized field of Physical Optics. (ESD/EL)
Crucial	T&M Contract, []	[]	[]	[]	To provide technical back-up in the field of Photographics, Microdensitometry and specialized processing areas. (ESD/EL)
Crucial	National Bureau of Standards	[]	[]	[]	Provide photometric standards, calibration of equipment, specialized targets and consultation in the various fields of optics. (ESD/EL)
Crucial 25X1	T&E Services/Tasks 25X1	[]	[]	[]	This amount is required for outside test support in test programs involving newly developed equipment. It is predicted that support will be required to cover certain parts or phases of test projects for equipment and materials. (ESD/TEB)
Crucial	Logistics Equipment Maintenance & Services	[]	[]	[]	Four small job-order maintenance contracts and miscellaneous small job requirements. Services for gas and oxygen. (SSD)
Crucial	Secure Telephone System (non-recurring)	[]	[]	[]	Center's assumption of first year costs following installation of secure voice system (replacement for NSA Grey Line). Succeeding years will be funded by Office of Communications. (SSD)

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Component TSSG
 Object Class 25

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 (Thousands)

25X1

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
25X1 Crucial	Consultant Engineering Contract				Previous experience indicates professional engineering consulting services in the amount indicated will be required during FY-1971 for cost estimates, surveys, site preparation planning, etc. (SSD)
Crucial	GSA Reimbursables				This sum is required for those normally anticipated expenses for which the Center is obliged to fund. Examples of these GSA services are: alterations and adjustments to the air conditioning systems; augmentation of the electrical capability; minor renovations connected with office and equipment space realignment, etc. (SSD)
Crucial	Eye Examinations				The normal level of costs for the eye examination program. (SSD)
Crucial	Proprietary Aircraft				For use of chartered planes. With the anticipated addition of a new system, approximately four trips (at about _____ per trip) for a large number of APSD personnel is envisaged. These trips will be to the film processing site, where reliance on other modes of transportation may seriously delay product processing and consequently receipt of the film at the Center. (APSD)
25X1 Crucial					Photointerpretation support for Human Factors Research. (DED) 25X1
Crucial					Repair and/or modify electronic equipment as required. (DED)
Crucial					Repair/modify mechanical equipment as required. (DED)
Crucial					Repair/modify PI equipment as required. (DED)
Crucial	Optical/Computer/Electronic Consultant Services				Scientific consultation on highly complex imagery exploitation systems. (DED)

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Component TSSG Planning Level \$ _____
 Object Class 25 (Thousands)

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
Crucial	Quick Reaction Investigation				Several small T&M contracts to provide answers to critical questions prior to letting of major R&D contracts. This work would primarily involve the development of real-time systems. (DED) 25X1
25X1 Crucial	[Redacted]				Consultation and review of contractor's optical designs.
25X1 Advantageous	[Redacted] / On-Coming Systems				Task under an NPIC contract to assist TSSG/ARTS in conducting error analysis; to provide special studies, consultations, computations and other services as required in the evaluation of future camera systems and their impact on NPIC. (ARTS)
25X1 Advantageous	T&M Contract, Photo [Redacted]				The increase from [Redacted] in FY-1970 to [Redacted] in FY-1971 is the result of operating on reduced rates of fulfilling microdensitometric analytical program requirements in FY-1969 and FY-1970. APSD had predicted the higher rate by FY-1971 in its 5 year plan. By FY-1971, APSD will provide AID with additional data for the preparation of computer programs. [Redacted] will provide the software programs for a complete microdensitometric package which in turn will be programmed by AID for NPIC's computers. (APSD) 25X1 25X1
Advantageous	Photogrammetric Applications				This is a new requirement to be performed probably by [Redacted] (or a similar contractor) to assist in developing advanced photogrammetric techniques to be utilized in the preparation of photogrammetric math models and the solutions of unique photogrammetric problems. This is in anticipation of the utilization of products derived from Real Time and Multi-spectral acquisitions. It is essential to keep up with the state of the art. (APSD) 25X1

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Component TSSG
Object Class 25

Planning Level \$ _____
(Thousands)

Date 11 July 1969

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
Advantageous	Image Restoration Implementation				If Digital Image restoration becomes an operational process, APSD will be required to provide part of the methodology and the product to the P.I. for his use. NPIC does not have any provisions and techniques to operationally exploit the process. If it is desired, then assistance from outside expertise will be required to augment and complement APSD resources. (APSD)
Advantageous	Photo Science Support, Info/Tech				Consultant services to assist in developing objective measures to determine image quality. This project is an extension of the photo science support project with Info/Tech, a reduced (although intense) effort of an R&D project. (APSD)
Advantageous	Advanced Emulsions Assistance				Consultation services to assist in developing evaluation procedures on multi-emulsion films. This is in anticipation of the receipt of "color" products and/or other multi-emulsion films. In order to fully evaluate these products, APSD will require consultation services to augment their own technical expertise. (APSD)
Advantageous 25X1					Consultant and advisor on Human Factors problems in general, and more specifically on the problems related to PI vision, image perceptability, and to visual requirements of optical systems. (DED)
Advantageous					Consultant services of [redacted] a senior research scientist in behavioral sciences. Specifically, his services are primarily in the fields of P.I. training improvement and man/machine systems theory application. (DED)

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Component TSSG
 Object Class 25

Planning Level \$ _____
 (Thousands)

Date 11 July 1969

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
25X1 Preferential	Management Support Contract			<input type="text"/>	This amount will supply 4 man months of direct contractual support in systems analysis and operations research. It is needed in support of staff efforts to systematize both technical and administrative procedures and operations, bringing to bear on our problems a level of expertise beyond that available from Center resources as well as manpower support which is free from the diluting effects of unrelated tasking.
					TOTAL OBJECT CLASS 25 LESS TRAINING

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FY-1971

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Component TSSG/

Planning Level \$ _____
(Thousands)

Date _____

Object Class 26 (Supplies & Mat'l)

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
Crucial	Spare Parts				Spare parts will be required to keep complex exploitation equipment and systems in the best possible operating condition through the preventive and emergency maintenance programs. (ESD/EPB)
Crucial	Photographic Materials				New types of film, paper and chemicals for testing the material itself or for use in testing prototype equipment. In addition to conventional materials available from the Photo Lab. (ESD/TEB)
Crucial	Miscellaneous Supplies				For expendable parts and supplies such as batteries, recording chart paper and mechanical and electrical hardware. (ESD/TEB)
Crucial	Mechanical, electrical and optical components and material				For construction of special apparatus as required for testing prototype equipment. For example special fixtures for holding test instruments motorized endurance test rigs and devices to create particular conditions or environments. Also replacement components for failures which occur in equipment being tested. (ESD/TEB)
Crucial	Chemical Supplies				Replacement items required in support of the exploratory development effort. (ESD/EL)
Crucial	Mechanical Supplies				Replacement items and spare parts required in support of the exploratory development effort. (ESD/EL)
Crucial	Photographic Supplies (film, paper, chemical)				Replacement supplies needed in support of the exploratory development effort. (ESD/EL)
Crucial	Replacement parts for Chemical Instrumentation				To cover replacement lamps and columns for the spectrometer and gas chromatographic instruments respectively. (ESD/EL)

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Component TSSG
Object Class 26

Planning Level \$ _____
(Thousands)

Date 11 July 1969

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
				<input type="checkbox"/>	TOTAL OBJECT CLASS 26

25X1

Date 11 July 1969

Component TSSG
 Object Class 31

Planning Level \$ _____
 (Thousands)

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
Crucial	Office Equipment				This sum is required to replace electronically operated office machines that are superannuated and to provide additional electrical typewriters as required for the secretarial complement. (SSD) 25X1
Crucial	Optics Laboratory Equipment				Replacement items and new equipment required for use in the Exploratory Laboratory. (ESD/EL)
Crucial	Light Sources				Replacement items and new equipment required for use in the Exploratory Laboratory. (ESD/EL)
Crucial	Miscellaneous Experimental Laboratory Items				Replacement items and new equipment required for use in the Exploratory Laboratory. (ESD/EL)
Crucial	Test & Evaluation Instrumentation				Temperature, pressure, humidity, flow and mechanical motion measuring, controlling and detection instruments crucial in the inspection and evaluation of in-coming equipment. (ESD/TEB)
Crucial	General Purpose Electronic Test Equipment				General purpose equipment required for test, evaluation and maintenance work. (ESD/EPB)
Crucial	General Purpose Optical Test Equipment				General purpose equipment required for test, evaluation and maintenance work. (ESD/EPB)
Advantageous	<input type="checkbox"/> motorized microscope viewing table	5			Phasing out of obsolete <input type="checkbox"/> light tables will be complete in APSD upon receipt of these tables. They will provide the capability to handle original negatives with minimum fear of damage. Without these automate color corrected tables, editing, review and analysis capabilities (of increasingly larger volumes of photographic products) will be materially reduced. (APSD) 25X1
25X1					

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Component TSSG
 Object Class 31

Planning Level \$ _____
 (Thousands)

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments	25X1
25X1 Advantageous	Automatic high resolution rear projection viewers with variable magnification.				These viewers will be used to scan large quantities of reproductions received by NPIC, to determine quality and consistency. They will also be used to analyze weather conditions and verify editing of film products. (AFSD)	
Advantageous	Microtome equipment				To be used in the comparative analyses of the different film products available to the NPIC PI's. (AFSD)	
Advantageous	12X tube magnifiers and reticles				Needed for quick film analyses and quality checks. They will eventually replace present 7X tube magnifiers. (AFSD)	
Advantageous	Electronic Calculator				A small rapid desk calculator (programmable) to facilitate scientific, technical and statistical calculations related to internal and external R&D projects. (DED)	
Desirable	Electromagnetic Sensors				Radiation sensors to be used in the test and evaluation of new equipment to determine acceptability. (ESD/TEB)	
Desirable	Recorders				Recording equipment desirable for use in monitoring and recording information from sensors used during tests and evaluation. (ESD/TEB)	
Desirable	Standards				Mechanical, electronic and optical standards to be used to test and maintain equipment to high levels of accuracy. (ESD/TEB)	
Desirable	Calibration Equipment				Alignment and collimating devices to be used in periodic checking and calibration of precision mensuration equipment. (ESD/TEB)	

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 Object Class 31

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Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
Desirable	Spectral Sensitometer				<p>This instrument is necessary if knowlege concerning the spectral response characteristics of film is to be upgraded from a presently subjective estimate to a factual level. This sensitometer has the capability of determining these characteristics within very narrow spectral bands, thus providing a more objective determination of spectral response. The Exploratory Laboratory currently has no instrument which will measure spectral response. (ESD/EL)</p> <p>TOTAL OBJECT CLASS 31</p>

Date 11 July 1969

Component TSSG
 Object Class 41

Planning Level \$ _____
 (Thousands)

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
Special 25X1	Grant Program with <div style="border: 1px solid black; width: 150px; height: 20px; margin-top: 5px;"></div>			<input type="checkbox"/>	Will provide low cost senior and graduate level research investigators in the fields of photo-physics and photo-chemistry and other areas of mutual interest. (ESD/EL)

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FY- 1971

Date 18 November 1968

Component TSSG
Object Class 31- Equipment

Planning Level \$ _____
(Thousands)

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
2	Printing Calculator		1	<input type="checkbox"/>	This card reading printing calculator would be used in scientific calculations and in planning, budgeting, and management problems necessary to the efficient operations of the Development & Engineering Division. 25X1

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FY - 1971

Date 18 November 1968

Component TSSG

Planning Level \$ _____
(Thousands)

Object Class 25 (Other)

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments	25X1
25X1 2					<p>[redacted] will continue his consultation in the fields of vision and perception. He will be employed primarily in connection with NPIC's research on the influence of psychological optics on interpretation display design. He will also participate in the continuing effort to monitor, over time, the critical visual functions of NPIC interpreters.</p>	25X1
2					<p>[redacted] will continue his advisory functions in the fields of interpreter training and man-machine systems design and analysis. He will be principally involved in further research aimed at optimizing P.I. preparation for, and performance of, the imagery search function. He will also participate heavily in the development of improved instructional techniques for systematic P. I. equipment training.</p>	25X1

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 FY - 1971

Date 18 November 1968

Component TSSG
 Object Class 25 (Other)
 Planning Level \$ _____
 (Thousands)

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments	25X1
25X1					[] will serve as a consultant on problems in advanced optical design. His services will consist mainly of helping to evaluate proposed optical systems and to recommend the most feasible approach to solving design problems. He will also be used as an advisor and trouble-shooter on development projects that encounter serious optical fabrication problems.	25X1
2	Development Equipment				This budgetary item would fund the purchase of the necessary minor equipments and supplies which are required to perform the routine assigned R&D functions. Such items as viewers, microscopes, tools, light tables, drafting instruments and the like would be included.	
2	Misc. components for equipment modifications				Procurement of parts such as gears, bearings, miscellaneous hardware, etc. is frequently needed during the in-house experimentation and modifications required by Development & Engineering Division personnel. Under this line item such components and equipments would be acquired.	
2	Test Equipment for Monitors in the field				Small portable test equipment such as resolution targets, scales, density wedges, pocket magnifiers, special test microscopes, test imagery, etc. are used in pre-acceptance testing at locations external to NPIC. The procurement of the various test supplies and devices designed for monitor usage in the field, would be funded under this budgetary item.	

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Component TSSG

Date 18 November 1968

Object Class 25 (Other)

Planning Level \$ _____
 (Thousands)

25X1

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments	25X1
25X1	1				Develop, modify and repair specialized electronic equipment as required.	25X1
	1				_____ will continue in its role of supplying research support services to _____ Administering center-based experimental task, assembling imagery stimulus materials, and assisting in report preparation will be R/A's primary activities. Supporting effort will be devoted mainly to _____ investigations of the influence of image quality on the P. I.'s ability to extract intelligence data from line-scan acquisition and display systems.	25X1
25X1	1				This contract would be utilized to obtain a rapid response to operational requirements for modifications, accessories and special purpose devices designed to operate on or with equipments such as _____ Light Tables. With its proximity to NPIC and its experience in the construction of interpretation equipment, _____ is ideally suited to supply these quick response services.	25X1
25X1	1				The placement of a contract with _____ would augment NPIC's in-house design and machine shop facilities by providing additional services in time of acute overloads. The demonstrated design and fabrication potential of _____ combined with their nearby location makes them a desirable choice to provide the additional services to NPIC.	25X1

25X1

25X1

(When Filled In)

FY - 71

Date 18 November 1968

Component TSSG
Object Class 25 (Other)

Planning Level \$ _____
(Thousands)

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
25X1					
1					Develop, modify and repair specialized electronic equipment as required. 25X1 25X1 25X1
1					[redacted] will continue in its role of supplying research support services to [redacted] Administering center-based experimental task, assembling imagery stimulus materials, and assisting in report preparation will be R/A's primary activities. Supporting effort will be devoted mainly to [redacted] investigations of the influence of image quality on the P. I.'s ability to extract intelligence data from line-scan acquisition and display systems.
1					This contract would be utilized to obtain a rapid response to operational requirements for modifications, accessories and special purpose devices designed to operate on or with equipments such as [redacted] Light Tables. With its proximity to NPIC and its experience in the construction of interpretation equipment, [redacted] is ideally suited to supply these quick response services. 25X1 25X1
1					The placement of a contract with [redacted] would augment NPIC's in-house design and machine shop facilities by providing additional services in time of acute overloads. The demonstrated design and fabrication potential of [redacted] combined with their nearby location makes them a desirable choice to provide the additional services to NPIC. 25X1 25X1

(When Filled In)

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Date 18 November 1968

Component TSSG Planning Level \$ _____
 Object Class 25 (Other) (Thousands)

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
25X1					[redacted] will serve as a consultant on problems in advanced optical design. His services will consist mainly of helping to evaluate proposed optical systems and to recommend the most feasible approach to solving design problems. He will also be used as an advisor and trouble-shooter on development projects that encounter serious optical fabrication problems. 25X1
2	Development Equipment				This budgetary item would fund the purchase of the necessary minor equipments and supplies which are required to perform the routine assigned R&D functions. Such items as viewers, microscopes, tools, light tables, drafting instruments and the like would be included.
2	Misc. components for equipment modifications				Procurement of parts such as gears, bearings, miscellaneous hardware, etc. is frequently needed during the in-house experimentation and modifications required by Development & Engineering Division personnel. Under this line item such components and equipments would be acquired.
2	Test Equipment for Monitors in the field				Small portable test equipment such as resolution targets, scales, density wedges, pocket magnifiers, special test microscopes, test imagery, etc. are used in pre-acceptance testing at locations external to NPIC. The procurement of the various test supplies and devices designed for monitor usage in the field, would be funded under this budgetary item.

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Component TSSG
 Object Class 25 (Other)

Planning Level \$ _____
 (Thousands)

25X1

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
25X1					
2					[redacted] will continue his consultation in the fields of vision and perception. He will be employed primarily in connection with NPIC's research on the influence of psysiological optics on interpretation display design. He will also participate in the continuing effort to monitor, over time, the critical visual functions of NPIC interpreters.
2					[redacted] will continue his advisory functions in the fields of interpreter training and man-machine systems design and analysis. He will be principally involved in further research aimed at optimizing P.I. preparation for, and performance of, the imagery search function. He will also participate heavily in the development of improved instructional techniques for systematic P. I. equipment training.

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Component TSSG

Planning Level \$ _____
(Thousands)

Object Class 31- Equipment

Priority	Item	Unit Price	Quantity	Total Price	Justification/Comments
2	Printing Calculator		1	<input type="text"/>	This card reading printing calculator would be used in scientific calculations and in planning, budgeting, and management problems necessary to the efficient operations of the Development & Engineering Division. 25X1

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