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171245	CABLE	1721222	Z JAN 83	1	1/17/1983	B1
171246	CABLE	STATE	14593	2	1/18/1983	B1
		R	4/8/2013	CREST NLR-748-23-3	38-2-9	
171247	CABLE	STATE	14284	1	1/18/1983	B1
		R	4/8/2013	CREST NLR-748-23-3	38-3-8	
171248	CABLE	STATE	14594	1	1/18/1983	B1
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171249	CABLE	MOSCO	OW 0664	1	1/18/1983	B1
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171250	REPORT	COSMO	OS-1402 REPORT	1	1/18/1983	B1
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171251	CABLE	BONN	1347	1	1/18/1983	B1
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Freedom of Information Act - [5 U.S.C. 552(b)]

B-1 National security classified information [(b)(1) of the FOIA]

B-2 Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]

- B-3 Release would violate a Federal statute [(b)(3) of the FOIA] B-4 Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
- B-6 Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
- B-7 Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
- B-8 Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
- B-9 Release would disclose geological or geophysical information concerning wells [(b)(9) of the FOIA]

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171252	CABLE		STAT	E 15737		2	1/19/1983	B1	
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171253	REPORT	40-90-92-9		H STATUS REPOR FORCE	T, COSMOS 1402	1	1/19/1983	B1	an
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171255	REPORT		RE CO	OSMOS-1402		1	1/20/1983	B1	
171256	CABLE		STAT	'Е 18529		4	1/21/1983	B1	
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171257	REPORT	5000-000	RE CO	OSMOS-1402	ann a an a	<u>1</u>	1/21/1983	B1	B3
171258	FORM		WASI	HFAX MESSAGE R	ECEIPT	1	1/21/1983	B1	B3

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171259 REPOR	ELEVENTH STATUS REPORT, COSMOS 1402 TASK FORCE	3	1/21/1983	B1	
171260 REPOR	FIFTEENTH STATUS REPORT, COSMOS 1402 TASK FORCE	2	1/27/1983	B1	
171261 REPOR	COSMOS-1402 REPORT	1	2/7/1983	B1	
171262 REPOR	RE COSMOS 1402	1	2/7/1983	B1	
171263 CABLE	070957Z FEB 83	2	2/7/1983	B1	
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171265 CABLE	061628Z FEB 83	1	2/6/1983	B1	

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E. 0. 12356: DECL: OADR TAGS: TSPA, UR SUBJECT: COSMOS 1402: SOVIET REPLY

REF: A. STATE 5558 (NOTAL)

1. SOVIET DCM BESSMERTNYKH JANUARY 14 CONVEYED SOVIET REPLY TO DEPARTMENT'S QUESTIONS REGARDING DECAY OF COSMOS 1402 (TEXT OF REPLY BELOW). NOT ALL QUESTIONS WERE ANSWERED, HOWEVER, SO WE ASKED THAT INFORMATION BE REVIEWED AND FURTHER DETAILS BE PROVIDED. IN REPLY TO SOVIET REQUEST, WE AGREED TO CONTINUE TO CONSULT. THEY ASKED FOR INFORMATION WE DEVELOP ON SATELLITE, WHICH WE PLAN TO PROVIDE.

2. COMMENT: IN COMPARISON WITH PREVIOUS COSMOS INCIDENT, WE NOTE INFORMATION SOVIETS HAVE PROVIDED AND PROMPTNESS (FOR SOVIETS) OF THEIR RESPONSE. WE WILL BE INTERESTED AS WELL IN HOW SOVIETS-DISCHARGE THEIR RESPONSIBILITY TO INFORM OTHER COUNTRIES.

3. FOR MOSCOW: BEGINNING WITH DATA IN SEPTEL TODAY, YOU SHOULD PROVIDE SOVIETS WITH ORBITAL INFORMATION ON REGULAR BASIS, REFERRING TO THEIR JANUARY 14 REQUEST. IN PROVIDING ORBITAL INFO, YOU SHOULD REQUEST SOVIET ORBITAL READINGS. ADDITIONL QUESTIONS BEING TRANSMITTED SEPTEL.

4. TEXT OF SOVIET REPLY FOLLOWS:

AS HAS BEEN REPORTED BY TASS ON JANUARY 7, 1983, THE SOVIET SATELLITE COSMOS 1402 WITH A NUCLEAR POWER PLANT ON BOARD, ON COMPLETING ITS MISSION, HAS CEASED, ON COMMAND FROM THE EARTH, ACTIVE EXISTENCE ON DECEMBER 28, 1982. IN ACCORDANCE WITH THE REGULAR INTERNATIONAL RECOMMENDA-TIONS THE SATELLITE WAS EQUIPPED WITH A SYSTEM MAKING IT POSSIBLE TO PUT ITS POWER PLANT INTO A BURIAL ORBIT AND A BACK-UP SYSTEM TO SEPARATE THE ACTIVE REACTOR CORE FOR ITS SUBSEQUENT COMBUSTION IN THE DENSE LAYERS OF THE AT-MOSPHERE.

THE POWER PLANT, HOWEVER, FAILED TO MOVE INTO A BURIAL ORBIT. ACCORDING TO THE FLIGHT PROGRAM, THE BACK-UP SAFETY SYSTEM FRACTURED THE SATELLITE INTO THREE PIECES,

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ONE OF WHICH BURNT UP ON DECEMBER 30, 1982 ON ENTRY INTO THE DENSE LAYERS OF THE ATMOSPHERE. THE TWO REMAINING PIECES ARE THE BASIC PART OF THE SATELLITE'S STRUCTURE AND THE ACTIVE CORE OF THE REACTOR SEPARATED THEREFROM.

ACCORDING TO PRELIMINARY ESTIMATES THE BASIC PART OF THE SATELLITE STRUCTURE WILL ENTER THE DENSE LAYERS OF THE ATMOSPHERE IN LATE JANUARY, THE ACTIVE CORE REACTOR WILL DO SO IN MID FEBRUARY.

THE POWER PLANT OF THE SATELLITE INCLUDES A SMALL NUCLEAR REACTOR OF THE USUAL TYPE, WHOSE ACTIVE CORE IS AN ASSEMBLY OF URANIUM-BASED HEAT-GENERATING ELEMENTS ENRICHED WITH URANIUM-235. PRIOR TO THE FRAGMENTATION OF THE SATELLITE COSMOS 1402, THE REACTOR WAS TURNED OFF ON COMMAND FROM THE EARTH. AT THE PRESENT TIME THE RADIOACTIVE DECAY OF FISSION FUEL PRODUCTS HAS CHARACTER-ISTICS USUAL FOR HEAT-GENERATING ELEMENTS REMOVED FROM AN INOPERATIVE REACTOR. ON BURNING IN THE DENSE LAYERS OF THE ATMOSPHERE THE ACTIVE CORE OF THE REACTOR DISIN-TEGRATES INTO SMALL DISPERSION DEBRIS, WHICH IN CASE OF A FALLOUT WILL PRODUCE A RADIOACTIVE SITUATION WITHIN THE LIMITS RECOMMENDED BY THE INTERNATIONAL RADIOLOGICAL SAFETY COMMISSION.

THE BASIC STRUCTURAL MATERIAL OF THE SATELLITE IS STAINLESS STEEL. THERE ARE ELEMENTS CONTAINING BERYLLIUM.

IF ANY ELEMENTS OF THE SATELLITE SURVIVE AFTER HAVING BEEN SUBJECTED TO AERODYNAMIC DRAG THE LEVEL OF OUTSIDE RADIATION PRODUCED BY THEM, WITHOUT PROLONGED DIRECT CON-TACT, WILL PRESENT NO HAZARD TO PEOPLE OR THE ENVIRONMENT. ALSO, BECAUSE OF THEIR LOW CAPACITY TO BE DISSOLVED, THEIR ENTRY INTO FOOD CHAINS IS PRACTICALLY RULED OUT.

FOR 48 HOURS FOLLOWING THE SEPARATION OF THE SATELLITE INTO PIECES RADIO COMMUNICATION WAS MAINTAINED WITH THE BASIC PART OF ITS STRUCTURE, WHEREBY IT WAS CONFIRMED--FIRST, THAT THE REACTOR WAS ACTUALLY TURNED OFF, SECOND, THAT THE ACTIVE CORE WAS SEPARATED. FURTHER RADIO CONTACTS WITH THE SATELLITE'S PIECES ARE NOT CON-TEMPLATED. AT THE PRESENT TIME THESE PIECES ARE BEING MONITORED TO FORECAST THE MOST PROBABLE TIME AND AREAS OF THEIR ENTRY INTO THE DENSE LAYERS OF THE ATMOSPHERE. THE SOVIET UNION INTENDS TO KEEP THE INTERESTED COUNTRIES INFORMED OF THE RESULTS OF THE SAID FORECASTS.

WE HOPE THAT THE U.S. SIDE, IN ITS TURN, WILL INFORM THE SOVIET SIDE OF THE RESULTS OF THE OBSERVATIONS WITH RESPECT TO THAT SATELLITE'S PIECES, CONDUCTED BY U.S. SPECIALISTS IN THE ZONE COVERED BY THE U.S. MONITORING SYSTEMS. SHULTZ RT

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E.O. 12356: DECL: OADR TAGS: TSPA, UR SUBJECT: SOVIET NUCLEAR POWERED SATELLITE COSMOS 1402

1. FOLLOWING IS UPDATED INFORMATION ON THE ORBIT OF SOVIET NUCLEAR POWERED SATELLITE COSMOS 1402 FOR USE BY POSTS WITH HOST GOVERNMENTS.

2. AT 1900 GMT 16 JANUARY, COSMOS 1402 PREDICTED APOGEE 214 KILOMETERS, PREDICTED PERIGEE 206 KILOMETERS, PREDICTED ORBITAL PERIOD 88.7 MINUTES, ESTIMATED PERIOD OF UNCON-TROLLED REENTRY 22-25 JANUARY. POSTS DID NOT RECEIVE AN UPDATE FOR 14 JANUARY. HOST GOVERNMENTS COULD REQUIRE SUCH INFORMATION IF THEY ARE MAKING EVALUATIONS OF THEIR OWN., FOLLOWING IS 14 JANUARY 1900 GMT DATA ON COSMOS 1402. PREDICTED APOGEE 223 KILOMETERS, PREDICTED PERIGEE 213 KILOMETERS, PREDICTED ORBITAL PERIOD 88.9 MINUTES, ESTIMATED PERIOD OF REENTRY 21-26 JANUARY. SHULTZ BT

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E.O. 12356: OADR TAGS: TSPA UR AS SUBJECT: COSMOS 1402: FOLLOW-UP TO NEW SOVIET INFORMATION

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2. DURING BESSMERTNYKH CALL JANUARY 14 (SEPTEL) TO PROVIDE NONPAPER PARTIALLY RESPONDING TO OUR QUESTIONS ON COSMOS 14Ø2 HE SAID CONSULTATIONS SHOULD CONTINUE ON REENTRY OF THIS SPACECRAFT. WE BELIEVE IT WOULD BE USEFUL FOR SCIATT TO FOLLOW UP ON HIS PREVIOUS INITIATIVE TO OBTAIN INFORMATION WITH QUESTIONS RAISED OR ONLY PARTIALLY AN-SWERED BY THE NONPAPER AND THE JANUARY 15 BELOTSERKOVSKIY MOSCOW TV INTERVIEW.

3. FOLLOWING ARE SUGGESTED QUESTIONS:

-- FROM THE INFORMATION PROVIDED, IT APPEARS THAT THE BASIC DESIGN AND MATERIALS USED IN THE REACTOR ARE THE SAME AS IN COSMOS 954, BUT SOVIET STATEMENTS SUGGEST GREAT ASSURANCE THAT COMPLETE BURNUP WILL OCCUR DURING REENTRY. WAS THE REACTOR DESIGN MODIFIED TO ENSURE MORE COMPLETE DISPERSION OF ITS COMPONENT MATERIALS DURING REENTRY?

-- DETAILS OF REACTOR OPERATING HISTORY IN TERMS OF THERMAL POWER LEVEL AS A FUNCTION OF TIME WOULD ASSIST US IN ESTIMATING THE RADIOISOTOPE INVENTORY ENTERING. CAN THIS BE PROVIDED TO ASSIST US IN CONTINGENCY PREPARATIONS?

-- A DISCREPANCY EXISTS BETWEEN OUR AND SOVIET PREDICONS OF THE REENTRY DATE OF THE REACTOR CORE AND BETWEEN THE NUMBERS OF COSMOS 1402 FRAGMENTS STILL 3N ORBIT. WE IDEN-TIFY 3 FRAGMENTS. ONE, SEVERAL THOUSAND KILOMETERS AHEAD OF THE OTHERS, IS EXPECTED TO REENTER IN FEBRUARY, BUT WE BELIEVE THAT IT IS NOT RPT NOT THE REACTOR. THE OTHER TWO, WHICH WE PREDICT TO REENTER THIS MONTH, ARE CLOSE TØ-GETHER AND POSSIBLY STILL JOINED. WE BELIEVE THAT ONE OF THESE FRAGMENTS IS THE REACTOR CORE. CAN THE SOVIETS OFFER ANY INFORMATION TO RECONCILE THESE DIFFERENCES? SHULTZ BT

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PAGE Ø1 MOSCOW Ø664 DTG: 181359Z JAN 82 PSN: ØØ4931 SIT7Ø9 ANØ12617 TOR: Ø18/1404Z DISTRIBUTION: PUBS SIT EOB WEIS /004 WHSR COMMENT: POSS NOTE FOR GUS WEISS OP IMMED STU7726 DE RUEHMO #Ø664 Ø1814ØØ 0 181359Z JAN 82 DECLASSIFIED FM AMEMBASSY MOSCOW NINR 748-23 -38-5-6 KOD NARA DATE 4/8/3 TO SECSTATE WASHDC IMMEDIATE 2442 INFO SECDEF WASHDC JCS WASHDC DIA WASHDC AMCONSUL L'ENINGRAD Ø274 CONFIDENTIAL MOSCOW 00664 E. O. 12356: DECL: OADR TAGS: TSPA, UR, AS, SCSA SUBJECT: COSMOS 1402: FOLLOW-U<u>P TO NEW SOVIET</u> INFORMATION REF: STATE 14594 (CONFIDENTIAL - ENTIRE TEXT). SCIENCE COUNSELOR MET JANUARY 18 WITH A. A. KOKOREV, COUNSELOR IN THE MFA USA DIVISION, TO SEEK CLARIFICATION OF INFORMATION RECEIVED JANUARY 14 BY THE DEPARTMENT F<u>ROM THE SOVIET EMBASSY.</u> WE ALSO PASSED TO KOKOREV LATEST ORBITAL INFORMATION ON THE SATELLITE AND ASKED THAT THE SOVIET SIDE PROVIDE US WITH THE SAME INFORMATION. SCIENCE COUNSELOR GAVE KOKOREV QUESTIONS PROVIDED IN REFTEL. IN CONNECTION WITH THE FIRST QUESTION, WE EMPHASIZED OUR NEED TO KNOW WHETHER TECHNICAL MODIFICATIONS HAVE BEEN MADE SINCE COSMOS 954. KOKOREV UNDERTOOK TO TRANSMIT THE QUESTIONS IMMEDIATELY TO

THE PROPER AUTHORITIES. HE WAS NONCOMMITAL

WOULD PASS THAT ON AS WELL.

ON THE REQUEST FOR ORBITAL INFORMATION BUT SAID HE

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No Objection to Declassification in Part 2010/10/08 : NLR-748-23-38-6-5



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COSMOS-1402 Report, Morning 18 January 1983

(c) As reported yesterday, the Soviets announced over the weekend that the nuclear fuel core was separated from the COSMOS-1402 reactor on 28 December 1982. They state that the second -1402 object in orbit is this nuclear fuel core, and that it will burn-up in the atmosphere in mid-February. The official Soviet response to our questions, submitted through State Department, asserts their belief that this is true. They assert that the main satellite, without nuclear fuel, will reenter in late January, and the nuclear fuel will reenter and burn up in mid-February.

A DATE 1/13/12

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PAGE Ø1 BONN 1347 ANØ12688 DTG: 181635Z JAN 83 PSN: 005113 SIT847 TOR: Ø18/1648Z _____ DISTRIBUTION: <u>PUBS</u> SIT GUS RS /ØØ5 WHSR COMMENT: RS--ANY FURTHER DISSEM? OP IMMED **Let LASSIFIED** STU8190 DE RUFHOL #1347 Ø181635 O 181635Z JAN 83 NLRR748-23-3874 FM AMEMBASSY BONN TO SECSTATE WASHDC IMMEDIATE 3761 BY COS NARA DATE 4/8/3 CONETDENTIAL BONN Ø1347 E. O. 12356: DECL: OADR TAGS: TSPA, UR, GE, SCSA SUBJ: COSMOS 1402, CONFIDENTIAL - ENTIRE TEXT. 1. 2. DR. EDWARD ANDREWS, DIRECTOR OF THE OFFICE FOR CIVIL DEFENSE AT THE FRG MINISTRY OF INTERIOR, HAS 2. ASKED FOR THE FOLLOWING ADDITIONAL INFORMATION ABOUT COSMOS-1402: -- HE UNDERSTANDS THAT THE SATELLITE RECENTLY SEPARATED INTO THREE PIECES, ONE OF WHICH WAS ALREADY DESTROYED UPON RE-ENTRY. -- CAN THE USG IDENTIFY FOR HIM WHICH OF THE TWO REMAINING PIECES CONTAINS THE NUCLEAR REACTOR? -- CAN WE TELL HIM THE APPROXIMATE WEIGHT OF THIS PIECE? -- DOES THE USG INFORMATION WHICH HE IS RECEIVING THROUGH THE EMBASSY REFER TO THE ORBIT OF THE REACTOR ELEMENT? 3. HE HAS ASKED THE SOVIET EMBASSY IN BONN THESE QUESTIONS, BUT RECEIVED IN RESPONSE ONLY THE MOST RECENT TASS ANNOUNCEMENT ABOUT THE REACTOR'S ALLEGED MID-FEBRUARY RE-ENTRY. BURNS

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OP IMMED DE RUEHC #5538 Ø19Ø148 O 182247Z JAN 83 ZEX FM SECSTATE WASHDC

TO ALL DIPLOMATIC AND CONSULAR POSTS IMMEDIATE

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INFO DIA WASHDC IMMEDIATE IMMEDIATE JCS/J3: COL GOETZE IMMEDIATE

UNCLAS STATE Ø15538

E.O. 12356: N/A TAGS: TSPA, UR SUBJECT: SOVIET NUCLEAR POWERED SATELLITE COSMOS 1402

1. FOLLOWING IS UPDATED INFORMATION ON THE ORBIT OF SOVIET NUCLEAR POWERED SATELLITE COSMOS 1402 FOR USE BY POSTS WITH HOST GOVERNMENTS. JANUARY 17, 1983, 1900 HOURS GMT COSMOS 1402 PREDICTED APOGEE 209 KILOMETERS, PREDICTED PERIGEE 202 KILOMETERS, PREDICTED ORBITAL PERIOD 88.6 MINUTES, ANTICIPATED PERIOD OF UNCONTROLLED REENTRY BETWEEN JANUARY 22 AND JANUARY 24. SHULTZ BT

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DTG: 190114Z JAN 83 PSN: 006021
 PAGE Ø1 OF Ø2
 SECSTATE WASHDC 5737

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 TOR: Ø19/Ø352Z DISTRIBUTION: NONE /ØØ1 *****

OP IMMED DE RUEHC #5737 Ø19Ø343 O 19Ø114Z JAN 83 ZEX FM SECSTATE WASHDC

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TO ALL DIPLOMATIC AND CONSULAR POSTS IMMEDIATE

INFO JCS/J3: COL GOETZE IMMEDIATE DIA WASHDC IMMEDIATE

CONFIDENTIAL STATE Ø15737

E.O. 12356: DECL: OADR TAGS: TSPA, UR SUBJECT: UNCONTROLLED REENTRY OF SOVIET NUCLEAR POWERED SATELLITE COSMOS 1402

REF: (A) STATE 4687 (B) STATE 9322

1. DEPARTMENT NOTED PARA 3 OF REF (A) THAT U.S. WOULD ASSIST FOREIGN GOVERNMENTS, IF ASKED, IN LOCATION AND CLEANUP OF DEBRIS FROM COSMOS 1402. THE OFFER HAS BEEN ,UBLICLY EXTENDED IN THE FOLLOWING TERMS: AT THE TWENTY-FIRST (21ST) SESSION OF THE U.N. LEGAL SUBCOMMITTEE OF THE COMMITTEE ON THE PEACEFUL USES OF OUTER SPACE, GENEVA, EBRUARY, 1982, THE U.S. REPRESENTATIVE STATED: "AS I STATED EARLIER THIS WEEK, MR. CHAIRMAN, THE UNITED STATES AT THE FIFTEENTH SESSION OF THE SCIENTIFIC AND TECHNICAL SUBCOMMITTEE HELD IN 1978 EXTENDED A STANDING OFFER TO PROVIDE ASSISTANCE IN THE SEARCH AND -LEAN-UP OF RADIOACTIVE DEBRIS FROM REENTERING SPACE OBJECTS BELONGING TO ANY COUNTRY, AS WELL AS ASSISTANCE IN PROVIDING EMERGENCY SERVICES TO THE PEOPLE OF ANY COUNTRY INJURED BY SUCH DEBRIS. THAT OFFER STANDS." USG IS NOW ASSESSING THE LEGAL GUARANTEES AND LOGISTIC SUPPORT U.S. WOULD REQUIRE TO PROVIDE RAPID AND EFFICIENT ASSISTANCE WITHOUT LIABILITY OR UNWARRANTED COST.

2. THIS MESSAGE PROVIDES BACKGROUND INFORMATION TO ASSIST POSTS IN THE EVENT COSMOS 1402 IMPACTS HOST COUNTRY. IT MAY BE DRAWN UPON RESPOND TO HOST GOVERNMENT INQUIRIES PRIOR TO IMPACT REGARDING POSSIBLE U.S. ASSISTANCE. THE OBJECTIVE OF THE USG IS TO ASSIST THE HOST GOVERNMENT IN ITS LOCATION AND CLEANUP ACTIVITIES.

3. IN ORDER TO RESPOND TO ANY HOST GOVERNMENT REQUEST FOR U.S. ASSISTANCE IN SEARCHING, LOCATING AND CLEANING UP DEBRIS FROM COSMOS 1402, WE WOULD WANT TO RECEIVE THE FOLLOWING INFORMATION. AFTER IMPACT, POSTS SHOULD SEEK THE FOLLOWING INFORMATION IN CONVEYING TO US THE HOST GOVERNMENT REQUEST FOR ASSISTANCE:

-- -- HOST GOVERNMENT IDENTIFICATION OF THE AREA OF DEBRIS IMPACT, AND ACCESSIBILITY OF AREA TO AIR/GROUND TRANSPOR-TATION (POSTS SHOULD BEAR IN MIND THAT THE DEBRIS COULD LEAVE A VERY LARGE FOOTPRINT, PERHAPS EXTENDING TO SEVERAL COUNTRIES);

-- -- NEAREST AIRPORT CAPABLE OF HANDLING LARGE MILITARY TRANSPORTS THAT WOULD BRING IN U.S. TEAM AND EQUIPMENT;

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NLRR <u>748-23-38-8-3</u> BY <u>(5)8</u> NARA DATE<u>(1/3</u>

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PAGE Ø2 OF Ø2 SECSTATE WASHDC 5737 DTG: 19Ø114Z JAN 83 PSN: ØØ6Ø21

-- -- TRANSPORTATION AND COMMUNICATIONS FACILITIES AT THE AIRPORT; ALSO, FOOD, WATER AND HOUSING AT THE AIRPORT AND IN ANY FIELD LOCATIONS THAT MIGHT BE ESTABLISHED;

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-- -- HOST COUNTRY CAPABILITY TO SEARCH, DETECT AND IDENTIFY DEBRIS, SOME OR MOST OF WHICH MIGHT BE RADIOACTIVE;

-- -- HOST COUNTRY PROVISION OF PHYSICAL SECURITY FOR U.S. TEAM BOTH UPON ARRIVAL AND AT SEARCH, LOCATION AND BASE SITES;

-- -- HOST COUNTRY GUARANTEES OF CLEARED AIR SPACE TO FACILITATE ARRIVAL AND SUBSEQUENT IN-COUNTRY MOVEMENT OF U.S. TEAM;

-- -- GUARANTEED ACCESS OF U.S. SEARCH AND LOCATION TEAMS INTO AREAS SUSPECTED OF HARBORING COSMOS 1402 DEBRIS;

-- -- SHARED U.S. - HOST GOVERNMENT PUBLIC AFFAIRS RESPONSIBILITIES;

-- -- GUARANTEED PROTECTION OF U.S. GOVERNMENT AND PERSONNEL FROM ANY CIVIL OR CRIMINAL LIABILITY;

-- -- EXEMPTION OF CUSTOMS DUTIES FOR U.S. TEAM IN CONJUNCTION WITH SEARCH, LOCATION AND CLEANUP ACTIVITIES;

-- -- EXEMPTION OF U.S. AND U.S. TEAM FROM PROHIBITIONS AND RESTRICTIONS ON IMPO; TS AND EXPORTS WITH RESPECT TO

ARTICLES CONNECTED WITH THE CLEANUP EFFORT;

-- -- INVIOLABILITY OF PAPERS AND DOCUMENTS CONNECTED WITH U.S. TEAM PLANS AND ACTIVITIES;

-- -- IMMUNITY OF U.S. TEAM MEMBERS FROM PERSONAL ARREST AND DETENTION AND SEIZURE OF PERSONAL BAGGAGE;

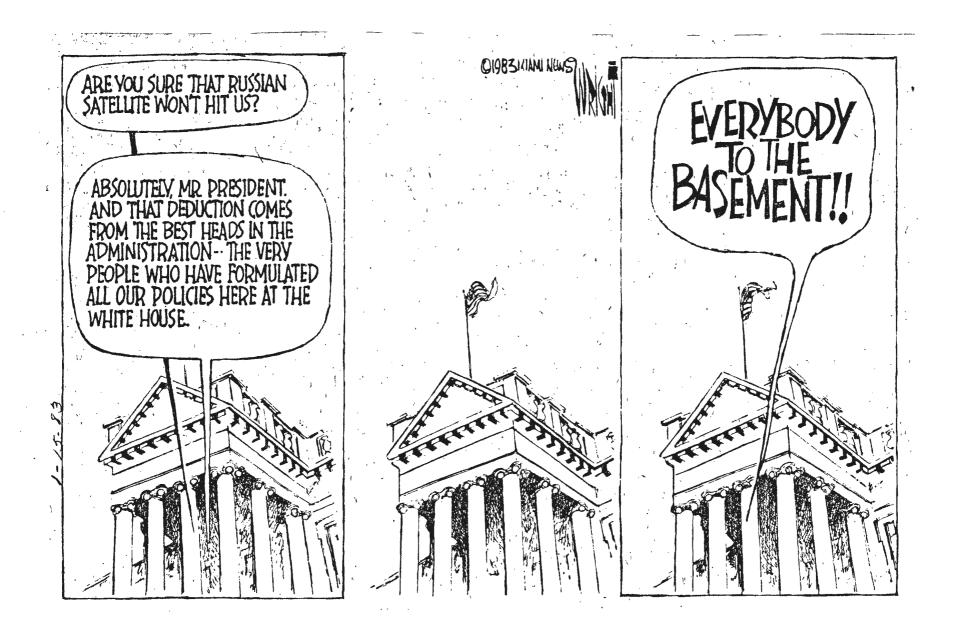
-- -- EXEMPTION OF U.S. TEAM MEMBERS FROM ANY IMMIGRATION RESTRICTIONS;

-- -- FACILITATION BY HOST GOVERNMENT OF PASSPORT/VISA ISSUANCE FOR U.S. TEAM.

4. YOU SHOULD POINT OUT TO HOST GOVERNMENT OFFICIALS THAT WE PROBABLY WILL WISH HOST GOVERNMENT TO ASSUME LEGAL RESPONSIBILITY FOR COST OF U.S. ASSISTANCE SO THAT IT COULD BE INCLUDED AS PART OF DAMAGE TO BE CLAIMED BY THE HOST COUNTRY AGAINST THE U.S.S.R. IN ACCORDANCE WITH THE 1973 LIABILITY CONVENTION ON OUTER SPACE.

5. WE APPRECIATE THE FACT THAT SOME COUNTRIES IN SOME CIRCUMSTANCES WILL NOT BE ABLE TO PROVIDE ALL OF THE INFORMATION WE WILL NEED. FORGOING IS PROVIDED SO THAT POSTS WILL KNOW WHAT KIND OF INFORMATION AND ASSURANCES WE WOULD PREFER TO HAVE. SHULTZ BT

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REDICK VOVO KA ROGOR I1669CZCCYNRYR PN-SATELLITE

PARIS, JAN 19, REUTER -- WEST GERMAN AUTHORITIES HAVE ALERTED FRENCH AVIATION OFFICIALS THAT THEY BELIEVE THE FALLING NUCLEAR-POWERED SOVIET SATELLITE COSMOS 1402 MAY CRASH ON WEST GERMAN TERRITORY WITHIN THE NEXT FIVE DAYS.

AS A RESULT, AIR TRAFFIC OVER WEST GERMANY MAY BE SUSPENDED AT SHORT NOTICE DURING THIS PERIOD, FRENCH AIR TRAFFIC CONTROL OFFICIALS SAID TODAY, CITING A NOTE RECEIVED LATE YESTERDAY FROM WEST GERMAN AUTHORITIES.

"FOR THE MOMENT, WE HAVE NO PRECISE INFORMATION, BUT FRENCH AUTHORITIES COULD BE LED TO ESTABLISH BANNED AREAS OR DANGER ZONES,"" THE FRENCH OFFICIALS SAID.

THEY SAID THE WEST GERMAN AUTHORITIES WARNED THAT AIR TRAFFIC RESTRICTIONS COULD BE DECLARED WITH THREE HOURS NOTICE OR LESS BEGINNING TODAY TODAY UNTIL JANUARY 24.

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EXECUTIVE SECRETARIAT, NSC: COUNTRY FILE			KDB 12/11/2015		
	older - COSMOS 1402 (JANUARY 1983-FEBRUARY 1983) fumber	(2)	FOIA F03-002/: SKINNE		
ID	Document Type	No of	301	Restric-	
	Document Description	pages	Doc Date	tions	
17125	3 REPORT NINTH STATUS REPORT, COSMOS 1402 TASK FORCE	1	1/19/1983	B1	

B-1 National security classified information [(b)(1) of the FOIA]

B-2 Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]

B-3 Release would violate a Federal statute [(b)(3) of the FOIA]

B-4 Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]

B-6 Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]

B-7 Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]

B-8 Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]

B-9 Release would disclose geological or geophysical information concerning wells [(b)(9) of the FOIA]

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17125	4 CABLE 200155Z JAN 83	6	1/20/1983	B1	

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ID	Document Type Document Description	No of pages	Doc Date	Restric- tions
17125	5 REPORT RE COSMOS-1402	1	1/20/1983	B1

- B-1 National security classified information [(b)(1) of the FOIA]
- B-2 Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
- B-3 Release would violate a Federal statute [(b)(3) of the FOIA]
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PAGE Ø1 OF Ø4 SECSTATE WASHDC 8529 SIT844 ANØØØ721

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TO ALL DIPLOMATIC AND CONSULAR POSTS IMMEDIATE

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CONFIDENTIAL STATE Ø18529

E. O. 12356: DECL: OADR TAGS: TSPA, UR SUBJECT: COSMOS 1402: CONTINGENCY QS AND AS

1. FOR POST INFORMATION, WE ARE TRANSMITTING QUESTIONS AND ANSWERS WHICH HAVE BEEN DEVELOPED IN CONNECTION WITH IMPLEMENTATION OF U.S. NATIONAL CONTINGENCY PLANS, POSTS HAVE DISCRETION TO SHARE ØN WHOLE OR PART WITH HOST GOVERNMENTS, IN WHICH CASE POSTS SHOULD CONVEY POINTS NO EARLIER THAN 1300 GMT FRIDAY JANUARY 21.

2. Q'S AND A'S FOLLOW:

Q: WHO WILL BE "IN CHARGE" OF U.S. INVOLVEMENT IF THE SATELLITE LANDS IN THE UNITED STATES?

THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) WILL COORDINATE FEDERAL ACTIVITIES, WORKING WITH STATE AND LOCAL GOVERNMENTS IN THE AFFECTED AREAS. THE EVENT Would be treated like any other accident constituting A POSSIBLE RADIOLOGICAL HAZARD AT ONE OR MORE POINTS. SUCH AS MIGHT OCCUR FROM TRANSPORTING NUCLEAR MATERIALS OR WEAPONS, OR FROM A NUCLEAR POWER PLANT.

Q: WHO WILL BE "IN CHARGE" OF U.S. INVOLVEMENT IF THE SATELLITE LANDS IN A FOREIGN COUNTRY OR THE OCEAN?

THE U.S. THROUGH THE DEPARTMENT OF STATE, WOULD PRO-Α: VIDE TECHNICAL ASSISTANCE TO THE AFFECTED COUNTRY IF REQUESTED.

Q: WHAT PRECAUTIONS SHOULD BE TAKEN BY PEOPLE LIVING IN THE PROJECTED REENTRY PATH? WILL THEY BE EVACUATED?

BECAUSE THE POTENTIAL IMPACT AREA ON THE GROUND MAY A۰ BE 500 MILES IN LENGTH AND 30 OR MORE MILES WIDE, THE U.S. DEPARTMENT OF ENERGY HAS ADVISED THAT EVACUATION FROM THE AREA WOULD BE IMPRACTICAL. INSTEAD, PEOPLE WHO ARE TOLD THEY ARE IN THE IMPACT AREA SHOULD STAY INDOORS IF POSSIBLE UNTIL LOCAL AUTHORITIES GIVE SPECIFIC DIRECTIONS THAT THE PUBLIC SHOULD BE SAFE. PEOPLE SHOULD NOT PICK UP SMALL METALLIC PARTICLES OR FRAGMENTS FOUND LYING IN YARDS OR STREETS, SINCE THEY COULD BE HIGHLY RADIOACTIVE AND CAUSE RADIATION INJURY TO THOSE THAT HOLD THEM. IF SOMEONE SHOULD ACCIDENTALLY PICK UP OR COME IN CONTACT WITH SUCH AN ITEM, THE SAFEST STEP would be to remove the object to a remote, secure LOCATION OUT-OF-DOORS. HANDLING SHOULD BE DONE QUICKLY,

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PAGE Ø2 OF Ø4 SECSTATE WASHDC 8529

DTG: 210253Z JAN 83 PSN: 009393

22

KEEPING THE OBJECT AWAY FROM THE BODY BY USING SHOVELS OR KITCHEN TONGS. THOROUGHLY WASH ALL PARTS OF THE BODY WHICH MAY HAVE CONTACTED THE OBJECT, AND REMOVE AND ISOLATE CLOTHING WHICH MAY HAVE BEEN IN CONTACT. THEN NOTIFY LOCAL PUBLIC HEALTH AUTHORITIES.

Q: HOW WOULD DEBRIS BE LOCATED AND CLEANED UP?

A: THE U.S. DEPARTMENT OF ENERGY (DOE) IS PREPARED TO FIELD THE NECESSARY PERSONNEL AND EQUIPMENT RESOURCES IN THE U.S. TO LOCATE, IDENTIFY, RECOVER, AND DISPOSE OF HAZARDOUS RADIOLOGICAL DEBRIS. THIS WOULD INCLUDE AERIAL SEARCH TECHNIQUES. THE ORGANIZATION THAT WOULD CONDUCT SUCH ACTIVITIES ON BEHALF OF THE U.S. DEPARTMENT OF ENERGY IS THE NUCLEAR EMERGENCY SEARCH TEAM (NEST).

G: COULD THE U-235 IN THE REACTOR BECOME CRITICAL AFTER IT CAME TO EARTH? IS THERE ENOUGH THERE? COULD IT ALL BE CRUNCHED TOGETHER SOMEHOW WHEN IT CRASHED INTO THE GROUND?

A: THE U-235 REACTOR FUEL IS DESIGNED TO DISINTEGRATE IN THE UPPER ATMOSPHERE DURING REENTRY. THEREFORE, THERE IS NO CHANCE FOR THE FUEL TO BECOME CRITICAL.

Q: IF THE CRASH OCCURS IN THE OCEAN, WOULD THE CONTAMINATED ENVIRONMENT TRAVEL THROUGH THE FOOD ' CHAIN TO MAN IN FISH AND SEAFOOD?

A: IN THE EVENT OF AN OCEAN IMPACT, CONTAMINATION TO THE ENVIRONMENT WOULD BE LESS THAN NATURAL LEVELS. THERE-FORE, THE RISK TO MAN THROUGH THE FOOD CHAIN WOULD BE INSIGNIFICANT.

Q: WHAT IS NEST? (NUCLEAR EMERGENCY SEARCH TEAM)

A: THE NEST ORGANIZATION IS AN ON-CALL TEAM OF HIGHLY SKILLED SCIENTISTS AND TECHNICAL PERSONNEL ACTIVELY EMPLOYED IN THE NUCLEAR RESPONSE RESEARCH DEVELOPMENT AND TESTING PROGRAM.

Q: WHAT IS NEST'S MISSION?

A: NEST'S MISSION IS TO CONDUCT SEARCH AND RECOVERY OPERATIONS FOR NUCLEAR MATERIALS, NUCLEAR DEVICES OR COMPONENTS; ASSIST IN IDENTIFICATION AND DEACTIVATION OF ANY IMPROVISED NUCLEAR DEVICE; PROVIDE SCIENTIFIC AND TECHNICAL ADVICE ON RADIATION INCIDENTS, AND TO ASSIST OR DIRECT RECOVERY OPERATIONS.

Q: FOR WHAT KINDS OF THREATS WOULD NEST BE ACTIVATED?

A: NEST IS CAPABLE OF RESPONDING TO A VARIETY OF NUCLEAR INCIDENTS. A PRIME EXAMPLE IS ITS RESPONSE WHEN THE SOVIET SATELLITE COSMOS 954 FELL IN CANADA.

Q: HOW LARGE A TEAM WOULD NEST DEPLOY TO DEAL WITH A SATELLITE EMERGENCY?

A: NEST IS CURRENTLY PREPARED TO DEPLOY APPROXIMATELY 200 PERSONNEL. THE ACTUAL NUMBER WOULD DEPEND UPON THE SITUATION THAT EXISTS UPON IMPACT.

Q: WHAT STEPS HAS NEST TAKEN TO BE PREPARED FOR THE SATELLITE IF IT LANDS IN THE U.S.?

A: NEST TEAM MEMBERS HAVE BEEN SELECTED, SUPPLIES AND EQUIPMENT HAVE BEEN READIED AND PRELIMINARY TRANSPOR-TATION ARRANGEMENTS HAVE BEEN MADE. IT IS EXPECTED

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PAGE Ø3 OF Ø4 SECSTATE WASHDC 8529

DTG: 210253Z JAN 83 PSN: 009393

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THAT MILITARY AIRCRAFT WOULD BE LOADED WITH NEST EQUIPMENT AND READY TO DEPLOY WITHIN TWO HOURS AFTER AUTHORIZATION IS RECEIVED.

Q: HOW LONG DOES IT TAKE TO CLEAN UP AN AREA AFTER A SATELLITE CRASH?

A: IT DEPENDS UPON THE CIRCUMSTANCES OF REENTRY AND IMPACT. THE NEST CAPABILITY WOULD PROVIDE THE

SUPPORT FOR AS LONG AS NEEDED TO ASSURE PUBLIC HEALTH AND SAFETY.

Q: WHAT EXACTLY WOULD BE THE ROLE OF NEST IF SATELLITE DEBRIS HIT A FOREIGN COUNTRY OR THE OCEAN, OUTSIDE OF TERRITORIAL WATERS?

A: IT WOULD DEPEND UPON CIRCUMSTANCES. THE U.S. HAS MADE A STANDING OFFER TO HELP IF ASKED.

Q: WHO DECIDES IF NEST IS TO BE DEPLOYED TO A FOREIGN COUNTRY?

A: THE UNITED STATES.

Q: DOES THE U.S. GOVERNMENT REQUIRE A FOREIGN COUNTRY TO AGREE TO PAY ALL NEST TEAM COSTS PRIOR TO DEPLOYMENT? IF NOT, HOW DO YOU EXPECT TO COLLECT ON ALL THE EXPENDI-TURES?

A: WE EXPECT TO BE REIMBURSED. THE COUNTRY CONCERNED CAN EXPECT TO HOLD THE USSR LIABLE FOR ALL EXPENSES. Q: CANADA AND THE U.S. WORKED WELL TOGETHER IN THE 1978 CRASH OF COSMOS 954 IN THE NORTHWEST TERRITORY. WOULD YOU EXPECT COOPERATION TO BE AS GOOD IN ANOTHER COUNTRY, FOR EXAMPLE COUNTRY X?

A: WE EXPECT GOOD COOPERATION FROM COUNTRIES WHICH ASK FOR OUR HELP.

Q: IS NEST OBLIGATED TO TURN OVER ALL INFORMATION OBTAINED TO THE FOREIGN GOVERNMENT WHOSE TERRITORY ENDED UP AS THE LANDING SITE?

A: IT IS NOT A MATTER OF OBLIGATION BUT COOPERATION.

Q: DOES NEST HAVE ANY OBLIGATION TO TURN OVER RETRIEVED EQUIPMENT TO EITHER THE ORIGINATING SPACE SHIP NATION OR TO THE GOVERNMENT (FOREIGN) RECEIVING THE DEBRIS?

A: IF THE LAUNCHING STATE REQUESTS, SPACE OBJECTS MUST BE RETURNED TO IT, UNDER THE AGREEMENT ON THE

RESCUE OF ASTRONAUTS, RETURN OF ASTRONAUTS AND THE RETURN OF OBJECTS LAUNCHED INTO OUTER SPACE. THE STATE IN WHICH THE DEBRIS CAME DOWN WOULD HAVE TO DECIDE ON ITS DISPOSITION.

Q: WOULD NEST RESPOND IF THE SATELLITE FELL INTO A

SOVIET-BLOC COUNTRY?

A: THAT IS HYPOTHETICAL.

Q: WOULD THE RUSSIANS BE REQUIRED TO PAY THE COSTS OF THE NEST TEAM FOR SEARCHING, FINDING AND CLEARING UP THE RADIOACTIVE DEBRIS?

A: THE SOVIET UNION IS LIABLE

FOR THE COSTS

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PAGE Ø4 OF Ø4 SECSTATE WASHDC 8529 DTG: 210253Z JAN 83 PSN: 009393 OF CLEANUP, PRESUMABLY TO THE COUNTRY IN WHOSE TERRITORY THE DEBRIS LANDS.

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	- COSMOS 1402 (JANUARY 1983-FEBRUARY 1983)	(2)	<i>FOIA</i> F03-002/ SKINNE		
Box Ni 23	umber		301		
ID	Document Type Document Description	No of pages	Doc Date	Restric- tions	
17125	7 REPORT RE COSMOS-1402	1	1/21/1983	B1 B3	

- B-2 Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
- B-3 Release would violate a Federal statute [(b)(3) of the FOIA]

- B-6 Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
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- B-9 Release would disclose geological or geophysical information concerning wells [(b)(9) of the FOIA]

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ID	Document Type Document Description	No of pages	Doc Date	Restric- tions
17125	8 FORM WASHFAX MESSAGE RECEIPT	1	1/21/1983	B1 B3

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ID	Document Type Document Description	No of pages	Doc Date	Restric- tions	
17125	59 REPORT ELEVENTH STATUS REPORT, COSMOS 1402 TA	3 SK	1/21/1983	B1	

Freedom of Information Act - [5 U.S.C. 552(b)]

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MEMORANDUM

NATIONAL SECURITY COUNCIL

'83 JAN 21 P6:27

January 21, 1983

MEMORANDUM FOR ARAM BAKSHIAN/DAVID GERGEN FROM: ROBERT B. SIMS

SUBJECT: Contingency Presidential Statements on COSMOS Satellite

Attached are interagency-cleared contingency Presidential statements for possible use in the event some fragments of the satellite land in the United States or in another non-Soviet country, or burn up in the atmosphere over a non-Soviet country. Reentry of the first of two parts of the satellite is expected this weekend, probably Sunday night. At this point, the interagency group feels that no Presidential statement would be needed if it lands in the Soviet Union, or the ocean, or if it burns up in the atmosphere over the Soviet Union or the ocean.

The statements could be altered to reflect the actual situation (more emphasis on Presidential concern and empathy, for example, if it lands on a populated center or someone is injured). Key Administration points of contact are Dick Boverie of NSC (who would be at the FEMA Emergency Center - tel.(202) 634-7800) and Ambassador Gerry Helman (who could be reached through the State Watch Team tel. 632-1512 or 632-6610).

Attachments

As stated

cc: John Poindexter Dick Boverie Ray Pollick Mort Allin

A. Should the portion of the spacecraft reentering in January apparrently completely burn up on reentry:

I am informed that a portion of the Soviet nuclear-powered spacecraft Cosmos 1402 reentered the atmoshpere at January _____ and appears to have burned completely in the atmosphere. According to our experts, this will have resulted in some radioactive contamination of the upper atmosphere if the reactor core has re-entered, but will not pose significant environmental impact or threat to human health. We are relieved that this phase of the incident has had a safe ending. However, this new Soviet failure to reboost a nuclear reactor to a safe parking orbit points up once again the need for taking all the necessary safety precautions which have been agreed at the United Nations. Should it eventually be determined that some radioactive fragments of the spacecraft survived reentry without detection by our instruments, our offer to assist other countries to find them and clean them up remains in force.

C. Should some fragments land in the United States:

A portion of the Soviet nuclear-powered spacecraft Cosmos 1402 reentered the atmosphere at _____ January ____. We believe that fragments of that spacecraft which we must assume to be radioactive may have landed in the United States in an area near . I have directed that all Federal resources necessary for the proper protection of the residents of that area be made available immediately. Preparations for this possibility have been the subject of intensive planning by appropriate government agencies and even now special response teams, led by the Federal Emergency Management Agency, are on their way to the site. The Federal response teams will work with state and local authorities in protective and recovery operations. They have the full resources of the U.S. Government behind them and a wealth of experience gained during a similar event in 1978, when fragments of Cosmos 954 landed in Canada and we provided assistance. The work of these teams should render the environmental impact of this event minimal. Residents of the affected areas are urged to avoid contact with any debris which sight be encountered on the ground, and to follow the instructions of authorities.

If the reactor core has reentered, its nuclear material also will have caused some upper atmospheric radioactive contamination as it burned up in the atmosphere, but this would not constitute a significant environmental problem.

We, of course, hold the government of the Soviet Union responsible for any damage caused by this debris, including the costs associated with decontaminating the area where they landed. That is an obligation of the USSR under international law, including the 1967 Outer Space Treaty and the 1973 Convention on International Liability for Damage Caused by Space Objects, which the Soviet Union signed and ratified. We are so notifying the Soviet government through diplomatic channels. This new Soviet failure to reboost a nuclear reactor to a safe parking orbit points up once again the need for taking all the necessary safety precautions which have been agreed at the United Nations.

D. Should fragments land in another country:

A portion of the Soviet nuclear-powered spacecraft Cosmos 1402 reentered the atmosphere at ______ January ______. Fragments from it, which we must assume to be radioactive, appear to have landed in ______. Under international law, the Soviet Union is solely liable for any damage caused by its spacecraft. Nevertheless, I want to assure the Government and people of ______ that the United States is ready to assist as necessary and feasible in locating the satellite fragments and assisting in the clean-up process.

Bhould the reactor core have reentered, the combustion of the nuclear material inevitably will have caused some radioactive contamination of the upper atmosphere, but this does not constitute a significant environmental problem.

This new Soviet failure to reboost a nuclear reactor to a safe parking orbit points up once again the need for taking all the necessary safety precautions which have been agreed at the United Nations.

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Collection Name EXECUTIVE SECRETARIAT, NSC: COUNTRY FILE		Withdrawer KDB 12/11/2015		
Box N	Colder - COSMOS 1402 (JANUARY 1983-FEBRUARY 1983) (2 Tumber	2)	<i>FOIA</i> F03-002/: SKINNE	
23			301	
ID	Document Type Document Description	No of pages	Doc Date	Restric- tions
17126	50 REPORT	2	1/27/1983	B1
	FIFTEENTH STATUS REPORT, COSMOS 1402 TASI FORCE	X		

B-1 National security classified information [(b)(1) of the FOIA]

B-2 Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]

B-3 Release would violate a Federal statute [(b)(3) of the FOIA]

B-4 Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]

B-6 Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]

B-7 Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]

B-8 Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]

B-9 Release would disclose geological or geophysical information concerning wells [(b)(9) of the FOIA]

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<i>Box N</i> 23	lumber		301	
ID	Document Type Document Description	No of pages	Doc Date	Restric- tions
17126	51 REPORT COSMOS-1402 REPORT	1	2/7/1983	B1

B-1 National security classified information [(b)(1) of the FOIA]

B-2 Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]

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ID	Document Type Document Description	No of pages	Doc Date	Restric- tions
17126	2 REPORT RE COSMOS 1402	1	2/7/1983	B1

B-1 National security classified information [(b)(1) of the FOIA]

B-2 Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]

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B-9 Release would disclose geological or geophysical information concerning wells [(b)(9) of the FOIA]

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17126	63 CABLE 070957Z FEB 83	2	2/7/1983	B1

B-1 National security classified information [(b)(1) of the FOIA]

B-2 Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]

B-3 Release would violate a Federal statute [(b)(3) of the FOIA]

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FLASH /PRIORITY SITUATION ROOM NOTE FOR 7 FEBRUARY 1983 UPDATE ON DECAY OF COSMOS 1402 FEMA REPORTS THAT THEIR FACILITIES ARE IN A LOW STAND-BY MODE IN ANTI-CIPATION OF COSMOS 1402 DECAY. AS OF 061715 EST DECAY IS PROJECTED AT 070630 EST.

O THERE IS NO THREAT TO THE NORTH AMERICAN CONTINENT.

- O THERE IS A LOW PROBABILITY THREAT TO PUERTO RICA AT THE LONG END OF THE WINDOW.
- O THE TRUST TERRITORITIES COULD BE IN THE ORBIT PATH AT THE CENTER OF THE WINDOW.
- O THERE WILL BE 3 ORBITS OVER THE UNITED STATES THIS EVENING: 2200 OVER CENTRAL U.S.; 2330 OVER WEST AND ROCKIES, 0100 OVER ALEUTIANS.
- O WE WILL BE ADVISED OF ANY SIGNIFICANT CHANGE.

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43 171264 PAGE Ø1 SECSTATE WASHDC 4539 DTG: Ø61912Z FEB 83 PSN: Ø34245 SIT876 ANØØ519Ø TOR: Ø37/1936Z ______ DISTRIBUTION: PUBS SIT EOB POLL /ØØ4

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BY COB NARA DATE 1/8/13

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TO ALL DIPLOMALIC AND CONSULAR POSTS NIACT IMMEDIATE

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LIMITED OFFICIAL USE STATE Ø34539 USIAEA VIENNA, POSTS INFORM ALL CONSULS E. O. 12356: N/A TAGS: TSPA, UR SUBJECT: COSMOS 1402

1. POSTS MAY SHARE WITH HOST GOVERNMENTS THE FOLLOWING TEXT OF UPDATED ORBITAL INFORMATION ON THE NUCLEAR CORE OF SOVIET NUCLEAR POWERED SATELLITE COSMOS 1402.

THERE HAS BEEN A SIGNIFICANT CHANGE IN THE PREDICTED 2. TIME OF REENTRY OF THE COSMOS 1402 NUCLEAR CORE. AS OF 1244 HOURS GMT FEBRUARY 6 THE PREDICTED WINDOW OF REENTRY IS Ø4ØØ HOURS GMT FEBRUARY 7 TO 16ØØ HOURS GMT FEBRUARY 7.

3. FOR USERS OF THE STANDARD ORBITAL DATA SET THE FOLLOWING EARLIER REPEAT EARLIER INFORMATION MAY BE ALSO USEFUL. AS OF 1900 HOURS GMT FEBRUARY 5, PREDICTED APOGEE IS 167 KILOMETER, PREDICTED PERIGEE 161 KILOMETER, PREDICTED PERIOD OF REENTRY IS 2352 HOURS GMT 6 FEBRUARY TO 1652 HOURS GMT 7 FEBRUARY.

4. EXPLANATION FOR THIS CHANGE IN REENTRY TIME IS THE LARGE SOLAR FLARE WHICH OCCURRED ON FEBRUARY 3 CAUSING THE SOLAR STATE TO BE ELEVATED TO MAJOR STORM LEVELS AND SIGNIFICANTLY INCREASING ATMOSPHERIC DRAG EXPERIENCED BY COSMOS 1402. DAM ВΤ

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ID	Document Type Document Description	No of pages	Doc Date	Restric- tions
17126	5 CABLE 061628Z FEB 83	1	2/6/1983	B1

B-1 National security classified information [(b)(1) of the FOIA]

B-2 Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]

B-3 Release would violate a Federal statute [(b)(3) of the FOIA]

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ID	Document Type Document Description	No of pages	Doc Date	Restric- tions
17126	6 CABLE 061212Z FEB 83	1	2/6/1983	B1

B-1 National security classified information [(b)(1) of the FOIA]

B-2 Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]

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Ţ PAGE Ø1 MISSION OPS DIRECTO Ø638 DTG: Ø51949Z FEB 83 PSN: Ø33267 SIT72Ø ANØØ5Ø51 TOR: Ø36/21ØØZ _____ -----DISTRIBUTION: <u>PUBS</u> SIT EOB /ØØ3 PRIORITY STU2632 DE RUWOHEA #Ø638 Ø362Ø15 P Ø51949Z FEB 83 ZEX FM MISSION OPS DIRECTOR CODE 513.2 NASA GSFC GREENBELT MD TO DEPT OF STATE WASH DC/OES/SAT SA-XEWA UNCLAS REF; PROJECT TIP (COSMOS 1402) OBJECT 13748 THE FOLLOWING MESSAGE AS RECEIVED FROM THE NORAD SCC. 1. 13748/1982-Ø84C/COSMOS 14Ø2 DEBRIS/USSR 2. LAUNCH DATE 30 AUG 82. 3. DECAY WINDOW IS 7 FEB ØØ22Z TO 7 FEB 1622Z 4. INCLINATION IS 65. Ø DEGREES 5. NEXT REPORT 24 HOURS BEFORE DECAY. ΒТ

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ID	Document Type Document Description	No of pages	Doc Date	Restric- tions
17126	7 CABLE 060106Z FEB 83	1	2/6/1983	B1

- B-2 Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
- B-3 Release would violate a Federal statute [(b)(3) of the FOIA]
- B-4 Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
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B-1 National security classified information [(b)(1) of the FOIA]

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	Document Description	pages		tions
17126	8 CABLE 051602Z FEB 83 (+ ATTACHED REPORT)	2	2/5/1983	B1

B-1 National security classified information [(b)(1) of the FOIA]

B-2 Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]

B-3 Release would violate a Federal statute [(b)(3) of the FOIA]

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171269	9 CABLE 031342Z FEB 83	1	2/3/1983	B1

B-1 National security classified information [(b)(1) of the FOIA]

B-2 Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]

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1. FOLLOWING IS UPDATED INFORMATION ON ORBITAL BEHAVIOR AND PREDICTED REENTRY TIMES OF NUCLEAR CORE OF SOVIET SATELLITE COSMOS 1402. AS NOTED IN SEPTEL, POSTS MAY MAKE THIS INFORMATION AVAILABLE TO HOST GOVERNMENTS. AS OF 1900 HOURS GMT FEBRUARY 1, PREDICTED APOGEE 191 KILOMETERS (103 NAUTICAL MILES), PREDICTED PERIGEE 186 KILOMETERS (100 NAUTICAL MILES). PREDICTED ORBITAL PERIOD 88.3 MINUTES, PREDICTED DECAY PERIOD BETWEEN FEBRUARY 6-10. DAM BT

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LIMITED OFFICIAL USE MOSCOW Ø1321 E.O. 12356: N/A TAGS: TSPA, SCSA, JL SUBJECT: SOVIETS PREDICT COSMOS 1402 FUEL CORE - REENTRY FEBRUARY 7-8 REF: A) STATE 29887, B) STATE 29879, C) MOSCOW 988, - D) STATE 21700

1. SCIENCE SECTION RECEIVED A CALL FROM THE FOREIGN MINISTRY FEBRUARY 2 REQUESTING A SCIENCE OF,FICER CALL ON THE MINISTRY "TO RECEIVE OUR DATA WHICH WE PROMISED."

SCIENCE OFFICER MET WITH USA DEPARTMENT FIRST 2 SECRETARY S. D. CHUVAKHIN, WHO PRESENTED HIM A NON-PAPER IN RUSSIAN. INFORMAL EMBASSY TRANSLATION: "ACCORDING TO DATA FROM RESPONSIBLE SOVIET SERVICES, THE FRAGMENT OF SATELLITE COSMOS 1402 WHICH IS THE FUEL CORE OF THE REACTOR OF ITS POWER SOURCE WILL REENTER THE DENSE LAYERS OF THE ATMOSPHERE 7-8 FEBRUARY 1983 AND FULLY BURN UP. THE REGION OF REENTRY IS IN THE PROCESS OF BEING DETERMINED MORE ACCURATELY. " ON RECEIPT OF THIS, SCIOFF PRESENTED CHUVAKHIN WITH A NON-PAPER GIVING U. S. ORBITAL DATA (REFS A AND B). SCIOFF HANDED CHUVAKHIN A COPY OF THE NON-PAPER HE HAD TRANSMITTED 25 JANUARY (REFS C AND D) REQUESTING MORE INFORMATION ON THE CONFIGURATION OF THE SATELLITE FRAGMENT, AND STRESSED THE IMPORTANCE OF HAVING WHATEVER INFORMATION POSSIBLE BECAUSE THE SMALL SIZE OF THE OBJECT MADE PREDICTION ESPECIALLY DIFFICULT. CHUVAKHIN SAID HE WOULD ASK ABOUT IT, BUT THAT WHAT HE HAD GIVEN US WAS ALL THE DATA HE COULD GIVE AT THIS TIME. HARTMAN вт

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DTG: Ø2Ø739Z FEB 83 PSN: Ø26883 PAGE Ø1 OF Ø2 SECSTATE WASHDC 9879 ANØØ3756 SIT361 TOR: Ø33/1227Z DISTRIBUTION: VP PUBS SIT EOB /005 OP IMMED DE RUEHC #9879 Ø331112 DECLASSIFIED O Ø2Ø739Z FEB 83 ZEX FM SECSTATE WASHDC NLRR748-23-38-27-2 TO ALL DIPLOMATIC AND CONSULAR POSTS IMMEDIATE AMEMBASSY VIENNA TMMEDIATE 9702 BY COR NARA DATE 1/8/13 CONETDENJIAL LIMITED OFFICIAL USE STATE 029879 USIAEA E. O. 12356: N/A TAGS: TSPA, UR SUBJECT: SOVIET NUCLEAR-POWERED SATELLITE, COSMOS 1402 REF: A) STATE 4687, B) STATE 9322, C) STATE 15737, D) STATE 17576, E) STATE 18529, F) STATE 20121, G) STATE 20597, H) STATE 21700 -

1. WE HAVE DETERMINED THAT REMNANT OF SOVIET NUCLEAR-POWERED SATELLITE COSMOS 1402 REMAINING IN ORBIT CONTAINS A NUCLEAR REACTOR CORE WHICH MIGHT CAUSE SOME HAZARD UPON UNCONTROLLED REENTRY. WHILE HAZARD IS NOT CONSIDERED GREAT (PARA. 5 BELOW), USG BELIEVES IT NECESSARY TO PREPARE IN A PRUDENT FASHION. THEREFORE, U.S. AGENCIES ARE RESPONDING TO UNCONTROLLED REENTRY OF FINAL PORTION OF COSMOS 1402 IN SAME FASHION AS WITH MAIN BODY WHICH REENTERED JANUARY 23. DEPARTMENT IS THEREFORE RESUMING DAILY REPORT OF ORBITAL BEHAVIOR AND PREDICTED REENTRY PERIOD OF FINAL COSMOS 1402 REMNANT.

2. AS OF 1900 GMT JANUARY 31, PREDICTED APOGEE OF COSMOS 1402 REMNANT WAS 195 KILOMETERS, PREDICTED PERIGEE 189 KILOMETERS, PREDICTED ORBITAL PERIOD 88.3 MINUTES, PREDICTED TIME OF REENTRY 2300 GMT FEBRUARY 8 PLUS OR MINUS FORTY-ONE (41) HOURS.

3. POSTS ARE AUTHORIZED TO INFORM HOST GOVERNMENTS (AND VIENNA INFORM IAEA) OF FOREGOING AND THAT U.S. FORMALLY RENEWS ITS OFFER FIRST SET FORTH IN PARA. 3 OF REF. A TO ASSIST IN SEARCH, LOCATION, AND CLEANUP OF ANY DEBRIS FROM COSMOS 1402 THAT MAY STRIKE FOREIGN TERRITORY. IN ANY FUTURE CONTINGENCIES, GUIDANCE CONVEYED IN PARAS. 3 AND 4 OF REF. C AND IN REF. G REMAIN VALID.

4. POSTS SHOULD MAKE FOLLOWING ADDITIONAL POINTS WITH HOST GOVERNMENTS. (A) THE IMPOSSIBILITY OF MAKING PRECISE PREDICTIONS AS TO REENTRY TIME AND AREA MUCH BEFORE 40-50 MINUTES BEFORE THE EVENT (THIS POINT FULLY SET FORTH IN PARA. 3 OF REF. B). HOST GOVERNMENTS SHOULD BE TOLD THAT IMPACT PREDICTION PROBLEMS WILL BE COMPOUNDED IN THE CASE OF THE 1402 REMNANT BECAUSE OF ITS RELATIVELY SMALL SIZE. ANY INFORMATION WHICH HOST GOVERNMENT CAN OBTAIN FROM SOVIET AUTHORITIESWOULD BE WELCOMED. (B) INFORMATION WHICH HAS AND IS BEING PROVIDED TO HOST. GOVERNMENTS REGARDING EMERGENCY PLANNING, RISK ASSESSMENT, AND COSMOS 1402 ORBITAL BEHAVIOR AND REENTRY IS THE SAME AS THAT PROVIDED U.S. STATE GOVERNMENTS. FINALLY, (C) THE DEPARTMENT WILL ESTABLISH A MONITORING GROUP

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TO FOLLOW THE LAST TWENTY-FOUR (REPEAT TWENTY-FOUR) HOURS OF COSMOS 1402 REMNANT ORBIT AND ITS REENTRY. FYI. POSTS MAY EXPECT TO RECEIVE UPDATE NIACT IMMEDIATE CABLES DURING LAST TWELVE HOURS OF COSMOS 1402 REMNANT, AND A FINAL REPORTING CABLE ON IMPACT AREAS AS WAS THE CASE WITH THE MAIN BODY OF THE SATELLITE JANUARY 22-23. END FYI. ATTENTION OF HOST GOVERNMENTS MIGHT USEFULLY AGAIN BE DIRECTED TO THE SAFETY PRECAUTIONS SET FORTH IN REFS. D, E, AND F.

POSTS MAY ALSO SHARE WITH HOST GOVERNMENTS FOLLOWING STATEMENT OF RISK AND USG READINESS POSTURE FOR COSMOS THE REACTOR IS BELIEVED TO CONTAIN U-235, 1402: HAZARDS: RADIOACTIVE PRODUCTS, AND BERYLLIUM PARTS. THE INVENTORY OF RADIOACTIVE PRODUCTS FROM COSMOS 1402 IS BELIEVED TO BE LESS THAN IN COSMOS 954. THE ONLY SIGNIFICANT RADIO-BIOLOGICAL DANGER IS FROM LONG-TERM EXPOSURE (HOURS TO DAYS) TO PIECES OF DEBRIS WHICH ARE HELD OR OTHERWISE MAINTAINED IN CLOSE CONTACT WITH THE BODY. PARTICLE INGESTION HAZARDS ARE CONSIDERED SMALL. THE CHANCES OF BEING HIT BY FRAGMENTS ARE ON THE ORDER OF BEING HIT BY A METEORITE. THE HIGHEST PROBABILITY IS THAT THE CORE WILL NEARLY COMPLETELY BURN UP AS HAPPENED WITH COSMOS 954. TN COSMOS 954, SMALL RADIOACTIVE PARTICLES WERE SPREAD OVER LARGE AREAS WITH PIECES OF HARDWARE DISTRIBUTED OVER A TRACK SEVERAL HUNDRED MILES LONG AND ABOUT 30 MILES WIDE.

THE NEXT MOST LIKELY SCENARIO IS THAT THE REACTOR WILL BE

EVEN MORE COMPLETELY CONSUMED THAN IN COSMOS 954 WITH THE URANIUM AND FISSION PRODUCTS REMAINING SUSPENDED IN THE UPPER ATMOSPHERE AND ONLY THE RADIOACTIVE HARDWARE REACHING ANY RADIOACTIVITY IN THE UPPER ATMOSPHERE WILL BE EARTH. INSUFFICIENT TO CAUSE HAZARD. THE LEAST LIKELY POSSIBILI-TY IS THAT THE REACTOR WILL REACH EARTH VIRTUALLY INTACT OR IN A FEW KILOGRAM-SIZED PIECES. IN THIS HIGHLY UNLIKELY EVENT, THE OBJECT WOULD POSE A THREAT TO PERSONS WITHIN A FEW HUNDRED FEET. WHILE THE RISK OF COSMOS 1402 PHASE II IMPACTING THE UNITED STATES IS CON-SIDERED SMALL, THE USG WILL BE PREPARED TO QUICKLY RESPOND IN A COORDINATED MANNER. IN OUR VIEW, THE SAME LEVEL OF READINESS IS REQUIRED ; FOR COSMOS 1402, PHASE II AS WAS REQUIRED FOR COSMOS 1402, PHASE I. DAM BT

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