

UNCLASSIFIED
EXERCISE SENSITIVE



EXERCISE SENATOR 11

13th TO 15th September 2011

DI STAFF & ASSESSOR INSTRUCTION



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AWE/NNSD/11/B/2390

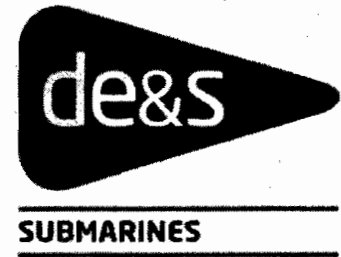
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See Distribution

Your Reference:

Our Reference:

D/NM/12/76

Date: 1st September 2011

EXERCISE SENATOR 11 - DI STAFF/ASSESSOR INSTRUCTION
13th to 15th SEPTEMBER 2011

References:

- A. JSP 471
- B. JSP 483 Vol 3
- C. JSP 483 Vol 4
- D. JSP 538
- E. COPS
- F. LAESI

Time Zone used throughout the Instruction: LOCAL

The Task Organisation comprises of:

- a. Directing Staff (DISTAFF) from participating organisations.
- b. NW Convoy Teams from MDP, AWE and Royal Marines.
- c. MoD Nuclear Accident Response Organisation (NARO)
- d. MoD NARO Main Building
- e. HMS Gannet
- f. Strathclyde Police (SP)

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- g. Strathclyde Fire & Rescue Service (SFRS)
- h. Scottish Ambulances Services (SAS)
- i. North Lanarkshire County Council (NLCC)
- j. South Lanarkshire County Council (SLCC)
- k. Health Protection Agency
- l. Environment Agency
- m. Ministry of Defence Police (MDP)
- n. Joint Regional Liaison Officer, 51 (Scottish) Brigade

INTRODUCTION

1. JSP 471 requires a Road Traffic, Transport (Grade C) NARO Exercise to be demonstrated on an annual basis. JSP 471 also requires a Major (Grade A) NARO Exercise to be demonstrated every 3 years. These exercises are assessed by the Defence Nuclear safety Regulator (DNSR).

2. For 2011, these demonstration exercises will run under the name of Exercise SENATOR 2011. Exercise SENATOR 2011 will be based around a Nuclear Weapon (NW) Convoy accident. Exercise SENATOR 2011 will take place on 13th to 15th September 2011.

3. Exercise SENATOR 2011 will be broken down into 3 elements:-

Part 1: The (Grade C) convoy element will take place on the 13th September 2011.

Part 2: The (Grade A) GOLD element will take place on the 13th & 14th September 2011.

Part 3: The (Grade A) BRONZE element will take place on the 13th to 15th September 2011.

AIM

4. The aim of this document is to detail the range and scale of Exercise SENATOR 2011, together with identifying the main exercise requirements and objectives. This document also details the Exercise timescales and outlines exercise injects location, personnel and logistics requirements.

EXERCISE LOCATIONS

5. Part 1 of Exercise SENATOR 2011 will take place at the 'Greenfield Site', Prestwick Airport, Prestwick, Ayrshire, KA9 2PL (OS Grid Ref: NS 36655 27995) and incorporating facilities at HMS GANNET, Monkton, Ayrshire, KA9 2RZ; with live

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exercise play lasting for approximately 4 hours. Strathclyde Civil Emergency Services and Local Authorities have agreed to support this element of the exercise.

6. Part 2 of Exercise SENATOR 2011 will take place at Strathclyde Police Training & Recruitment Centre, Eaglesham Rd, East Kilbride, Glasgow G75 8GR and Strathclyde Police Headquarters, Pitt Street, Glasgow, with exercise play beginning at approximately 1300 on 13th September 2011 and concluding at 1500 on 14th September 2011. Strathclyde Civil Emergency Services and Local Authorities have agreed to support this element of the exercise.

7. Part 3 of Exercise SENATOR 2011 will take place at the 'Greenfield Site', Prestwick Airport, Prestwick, Ayrshire, KA9 2PL with exercise play beginning at approximately 1400 on 13th September 2011 and concluding at 1500 on 15th September 2011. Strathclyde Civil Emergency Services have agreed to support the initial element of the exercise.

8. The Special Safety Cell (SSC) at AWE Aldermaston will be manned throughout the duration of this exercise and will assist in the placing of injects through to the CES during the initial notification phase and interaction with the responders for the remainder of the Exercise, as required. MDP Task Control will be manned throughout the duration of the exercise and will be the interface between the Convoy and SSC iaw SOPs.

9. A Di-Staff/Assessor briefing will take place at Strathclyde Police Training & Recruitment Centre, Eaglesham Rd, East Kilbride, Glasgow G75 8GR at 1500 hrs on Monday 12th September 2011, all available Di-Staff/Assessors are requested to attend.

EXERCISE SCOPE AND SCENARIO

10. The scenario for Exercise SENATOR 2011 will be based around a Nuclear Weapon Convoy accident travelling southbound on the M74 near Junction 5, OS Grid: NS7131 4586. A Large Goods Vehicle (LGV) travelling northbound suffers an offside front tyre blowout and crashes through the central reservation into oncoming traffic. The second Truck Cargo Heavy Duty (TCHD) swerves to avoid the accident and tips over onto its offside.

[REDACTED 5.24(1) NATIONAL SECURITY]

11. The third TCHD takes emergency action to avoid other vehicles and stops at an angle facing the emergency lane (hard shoulder). A LGV carrying road surfacing equipment also swerves and its load breaks loose impacting the nearside of the third TCHD.

12. The Exercise will be conducted as a 3 part Assessed Exercise as detailed above and will entail the setting up of a simulated accident site within the boundaries of 'Greenfield Site', Prestwick Airport. A detailed Exercise Timeline is attached at Annex A.

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EXERCISE AIMS, OBJECTIVES AND ASSESSMENT CRITERIA

13. To exercise the ability of the NARO, CE, LA, MOD, and other Government Departments or Agencies, to respond as part of the UK's response to a simulated accident involving Defence Nuclear Material.

14. The top-level objectives for the Exercise are attached at Annex B. Specific objectives to be agreed with DNSR and will be contained in a separate document.

15. The DNSR will assess all aspects of the Exercise, including Exercise Planning, Preparation and Management. The DNSR **will not** assess CES, LA or OGD activities but may comment on their response and interaction with the response and interaction with the Convoy. The CES may wish to conduct an independent assessment of their own responders and report accordingly.

EXERCISE MANAGEMENT

16. The Exercise Director will manage the Exercise and will have control of all Exercise activities. Designated MOD and CES Directing Staff (Di-Staff) will assist in this process. It is intended that a MOD Coordinating Authority (MCA) will play and take the hand over brief from the Incident Commander (Convoy Commander) before proceeding to GOLD.

17. The Exercise Director will be responsible for the logistic requirements of the Exercise. This will include the provision of feeding, toilets, waste disposal and accident debris/set up etc.

18. Exercise play Part 1 (STARTEX) will be preceded by a brief from the MOD Exercise Director at 'Greenfield Site', Prestwick Airport. When directed by the MOD Exercise Director, Di-Staff will instruct convoy personnel to commence Exercise play.

19. Exercise play Part 2 (STARTEX) will be preceded by a brief from the Exercise Director at Strathclyde Police Training & Recruitment Centre. When directed by the Exercise Director, Di-Staff will instruct convoy personnel to commence Exercise play.

20. Exercise play Part 3 (STARTEX) will be preceded by a brief from the MOD Exercise Controller at 'Greenfield Site', Prestwick Airport. When Part 1 concludes, the MOD Exercise Controller, through Di-Staff will instruct MOD NARO personnel to commence Exercise play.

21. Vehicle and weapon debris will be prepositioned at the exercise site and fires will be lit. Players once briefed will be instructed by Di-Staff to call in the accident to start the exercise. Exercise SENATOR 2011 will then commence on the direction of the Exercise Director. Thereafter, action is to be taken in accordance with Standard Operating Procedures (SOPs) of the various organisations playing. The introduction into play of the CES responders will be to an agreed timetable.

22. Part 1 of the Exercise assessment will terminate on completion of the MOD Incident Coordinator's (IC), briefing to the MCA and executives following agreement between the Exercise Director and DNSR that all Part 1 objectives have been

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achieved. A Hot Wash-up will be conducted at the Green Field Site following completion of this element of the exercise.

23. Part 2 (at Strathclyde Police Training & Recruitment Centre) will commence with a video of the accident and then play real time during daytime single shift working. Part 3 will commence at approximately 1330, the MCA will transit to Strathclyde Police Training & Recruitment Centre following completion of the briefing of the MCA and executives at the accident location.

24. DNSR Assessment - A short verbal de-brief of Part 1 will be given as soon as possible following conclusion of the assessment phase. DNSR assessment of Part 2 will continue until 1500 on Wednesday 14th September 2011. A short verbal de-brief of Part 2 will be given as soon as possible following conclusion of this element. DNSR assessment of Part 3 will continue until 1500 on Thursday 15th September 2011. A short verbal de-brief of Part 3 will be given as soon as possible following conclusion of this element.

25. There will be a meeting for all MoD stakeholders with DNSR approximately 1 month after the Exercise to discuss and review Exercise findings and observations. Following this meeting; the formal de-brief/assessment report will be written, and on receipt will be staffed through SWPT. CES/LA will conduct their own hot de-briefs as required.

HEALTH AND SAFETY

26. Exercise Senator 2011 is taking place within the boundaries of the 'Greenfield Site', Prestwick Airport, Strathclyde Police Training & Recruitment Centre, Strathclyde Police Headquarters and HMS GANNET. A comprehensive suite of Health and Safety documentation will be generated. A separate Exercise Health and Safety Instruction and Risk Assessment will be generated by the nominated MoD Exercise Safety Officer (in conjunction with other stakeholders) together with a H&S Policy Statement by the Exercise Director and issued to all stakeholders. Heads of Departments are to ensure that they, and all members of their staff, are familiar with the content of these documents. A H&S brief will be included with the main Exercise Brief at the start of the Exercise. This brief will cover all players, visitors and Di-Staff. A single page aide-memoir on exercise H&S will be available to all participants.

PLANNING REQUIREMENTS

27. Planning meetings have been held which facilitated the production of the Exercise Instruction (this document). Further planning meetings will be held as required.

28. SWPT will undertake the following arrangements:

- Prestwick 'Greenfield' site Booking and De-confliction.
- Booking of Air Assets through JHC.
- Booking of Land Assets through SJC.

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- Provision of MOD Directing Staff
- Provision of a SimPress Contingent and Casualty Actors
- Through MDP/RAF TPW the security of the Trucks Cargo Heavy Duty (TCHD) and assets within the BRONZE Exercise Location
- Logistical movement and erection of MAUs/Generators etc.
- Payment of UIN funded organisations, RAF MCS etc.
- A number of Di-Staff vehicles will be made available for this exercise. Control of these vehicles will be under the command of the Exercise Director.
- Other logistic support as identified

29. AWE will undertake the following arrangements:

- Provision of AWE/Convoy Directing Staff
- Fire Setters/Fire Cover (through SFRS)
- Feeding and refreshments for all players, Directing Staff (Di-Staff), Assessors and Observers. Feeding will be through RAF MCS
- Accommodation for Exercise Players and Di-Staff
- Briefing facilities.
- Accident debris through [REDACTED] Supply of Portaloos/skips etc
[REMOVED S.45(2) COMMERCIAL INTERESTS]
- A3/A4 Photocopier.
- Other logistic support as identified.

NB: All players should bring sufficient PPE to last the duration of the Exercise – it will not be made available/replaced by HCMF. However, certain PPE/RPE will be allowed to be Di-Staffed back into play after passing through decontamination as required.

ARTIFICIALITIES AND CONSTRAINTS

30. The artificialities and constraints for this Exercise are listed at Annex C.

EXERCISE CANCELLATION, POSTPONEMENT OR NODUFF SITUATION

31. The Exercise Director has the responsibility for initiating and/or cancelling the Exercise as required. He will be assisted in this decision making process by

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nominated members of the Di-Staff. The Exercise Director and Di-Staff are empowered to terminate any activity if deemed to be potentially unsafe.

32. Any communication concerning a real time emergency is to commence with the introduction "NODUFF – EXERCISE SENATOR – NODUFF MESSAGE".

33. In the event of a genuine emergency the Exercise will be suspended immediately. If a situation develops which warrants the early termination or longer suspension of the Exercise, the Exercise Director will inform all the participants using the text: "NODUFF - EXERCISE SENATOR 2011 – TERMINATED or SUSPENDED"

COMMUNICATIONS

34. Players on the exercise will communicate via NARO held Airwave Radios (Talk Group 435) and on fixed telephones within MAUs. 2 Sig Bde will provide this capability along with external communications via the Tyndale System which includes voice and data connectivity. Stakeholders may also communicate via their normal means of communication, i.e. via SWPT NARO held Airwave Radios.

35. Di-Staff communication will be via the Nuclear Accident Response Organisation Airwave radios (Talk Group 1050). A Di-Staff Comms Plan is attached at **Annex E**.

36. A full BRONZE Communications Plan (COMPLAN) will be issued prior to STARTEX.

37. The Nuclear Emergency Response Information Management System (NERIMS) will be deployed; DATEL will provide LAN connectivity for this Exercise.

DI-STAFF AND EXERCISE CONTROL (EXCON) ARRANGEMENTS

38. A list of Exercise Di-Staff and EXCON Personnel and their roles is shown at **Annex D**.

SECURITY

39. MDP are to generate an Exercise Security Plan and provide a Threat Assessment for the exercise. This Exercise Security Plan will be promulgated by MDP in consultation with Strathclyde Police, HMS Gannet Ministry of Defence Police Guard Service (MDPGS), RAF TPW and GPIA personnel.

40. Throughout Exercise set up, exercise play and site clearance, entry to the Greenfield site will be controlled by MDP who will provide real time exercise security on a 24hr basis. During exercise play, access will be permitted for holders of Civilian/Service ID, who will also be issued with an Exercise Pass by RAF TPW upon arrival. Access to HMS GANNET will be controlled by MDPGS supplemented by MDP officers as necessary.

41. Access to Strathclyde Police HQ and the Training & Recruitment Centre will be the responsibility of Strathclyde Police under their standard arrangements. Exercise

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SENATOR passes issued by RAF TPW will be supplemented by locally issued passes at these locations.

VIPs and Observers

42. VIPs and Observers attending the Exercise will be under the supervision of nominated escort(s). All VIP and Observers will be met and escorted to Exercise Control (Building 108 HMS GANNET) for briefing prior to entry to the Greenfield site. A signature sheet for mustering and control purposes will be retained at Exercise Control.

43. VIP and Observer entry to Strathclyde Police HQ and the Training & Recruitment Centre will be controlled by Strathclyde Police local arrangements.

44. A VIP/Observer Programme will be issued under separate cover to this Instruction.

PUBLIC RELATIONS

45. D Def Sy will arrange for Minister (AF) to write to the local Member of Parliament (MP) + Members of the Scottish Parliament (MSP) alerting them to the nature and scope of the Exercise. A defensive press brief will be prepared by MOD for issue if required.

EXERCISE MAPPING

46. Exercise Mapping will be made available including plume plots to support the Exercise Scenario. Exercise Maps for the M74 J5, Prestwick 'Greenfield' site, Strathclyde Police Training & Recruitment Centre and Strathclyde Police Headquarters are attached at **Annex H**.

(Signed on original)

 [REDACTED S.40(2) PERSONAL INFORMATION]
SWPT Threat Reduction Manager

Annexes

Annexes:

- A. Exercise Timeline
- B. Top Level Objectives
- C. Artificialities and Constraints
- D. Di-Staff and Responsibilities
- E. Communications Plan
- F. Observers
- G. List of Acronyms and Abbreviations

H. Exercise Maps

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Distribution:

External Action:



DNSR (5 copies for Assessors)
AH NS&EP (1 copy)
Convoy Group – AWE Aldermaston
MDP Hd SEG
MDP SEG
Babcock RAF Wyton (2 Copies)
JARTS (1 Copy)
26 Sqn - RAF HONINGTON (2 Copies)
Joint Regional Liaison Officer, 51 (Scottish) Brigade
CROWN MEDIA
1st Lt HMS Gannet (2 copies)

Internal Action:



DE&S Exercise Director
DE&S Exercise Controller (Strategic)
DE&S Exercise Controller (Operational)
DE&S Di Staff
DE&S SIMPRESS Di Staff
DE&S Exercise Safety Officer
 AWE Exercise Planner
AWE Exercise Planner
AWE Safety Officer
AWE Hazard Prediction
AWE Security
HD Police RPA

External



Strathclyde Police
Strathclyde Police
Strathclyde Fire & Rescue Service
Scottish Ambulances Services
North Lanarkshire County Council
South Lanarkshire County Council
NHS Lanarkshire
Health Protection Agency

Copy:



MDP NGF (For information)
Glasgow Prestwick International Airport

[REDACTED S.40(2) PERSONAL INFORMATION]

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Annex A to D/NM/12/76
Dated: September 2011

EXERCISE SENATOR 2011 TIMELINE

DATE	EVENT	LOCATION	REMARKS
Monday 05/09/2011	DROPS Vehicles arrive Bronze Set up team depart for Bronze Site Bronze Set up team arrive at Bronze Site Teams stand down	RAF WYTON RAF Wyton / AWE / Abbey Wood Greenfield' Site & HMS GANNET	First Out-load of MAUs/FEPS/Lighting etc supported by SWPT.
Tuesday 06/09/2011	Commence setup of Bronze Site DROPS Vehicles depart for Prestwick Marking out of Bronze Site MDP security team arrives DROPS Vehicles arrive Stage DROPS overnight Teams stand down Continue with setup of	'Greenfield' Site RAF Wyton via Catterick	Supervised by SWPT 'First Out-load' DROPS Vehicles crew change at Catterick Marking out of Bronze Site including 'Out of Bounds' areas Security begins with 'Night' shift team Off-load & park up. Refueling team provided by 27RLC On site security at 'Greenfield' provided by MDP Supervised by SWPT
Wednesday		'Greenfield' Site	

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DATE	EVENT	LOCATION	REMARKS
07/09/2011	Bronze Site DROPS Vehicles depart for RAF Wyton DROPS Vehicles arrive Stage DROPS overnight Teams stand down	'Greenfield' Site RAF Wyton via Catterick RAF Wyton	Load 'Second Out-load' of MAUs/FEPS/Lighting etc supported by SWPT. On site security at 'Greenfield' provided by MDP
Thursday 08/09/2011	Continue with setup of Bronze Site DROPS Vehicles depart for Prestwick DROPS Vehicles arrive Stage DROPS overnight Teams stand down	'Greenfield' Site RAF Wyton via Catterick 'Greenfield' Site	Refueling team provided by 27RLC (for DROPS) On site security at 'Greenfield' provided by MDP Supervised by SWPT
Friday 09/09/2011	Continue with setup of Bronze Site DROPS depart for maintenance AWE arrive Teams stand down	'Greenfield' Site AWE (A)	Di Staff, Comms and Logistics teams Refueling team provided by 27RLC (for DROPS) Parking at Prestwick Airport Car Park T4 Refueling team provided by A4 (for Gens & Convoy) On site security at 'Greenfield' provided by MDP

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DATE	EVENT	LOCATION	REMARKS
Saturday 10/09/2011	Continue with setup of Bronze Site & commence set up of Support Base Teams stand down	'Greenfield' Site & HMS Gannet	Supervised by SWPT On site security at 'Greenfield' provided by MDP
DATE	EVENT	LOCATION	REMARKS
Sunday 11/09/2011	Continue with setup of Bronze site All remaining Bronze FoF arrive Continue setup of Support Base DE&S FAC & RAF TPW arrive for setup in HMS Gannet Building 108 Commence setup of Gold All areas complete setup Teams stand down	'Greenfield' Site HMS Gannet HMS Gannet Jackton All areas	Supervised by SWPT On site security at 'Greenfield' and HMS GANNET provided by MDP

DATE	EVENT	LOCATION	REMARKS
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<p>Monday 12/09/2011 0800-1800</p>	<p>Complete setup of all areas</p>	<p>All areas</p>	<p>Bronze security provided by MDP</p>
<p>0900</p>	<p>DE&S Responders travel MCS/COMMS/26 SQDN/ Other units</p>	<p>Support Base (HMS Gannet)</p>	<p>Do we know when these plan to arrive / over the weekend???</p>
<p>1200</p>	<p>Pass Issue, Briefing and Site Recce</p>	<p>Jackton</p>	<p>TPW will control issue against nominal list Projector and Laptop Required</p>
<p>1500</p>	<p>Lunch</p>	<p>'Greenfield' Site</p>	<p></p>
<p>1800</p>	<p>Di-Staff and NWR Brief</p>	<p>HMS Gannet</p>	<p></p>
<p>1800</p>	<p>Dinner (All)</p>	<p></p>	<p></p>
<p>1800</p>	<p>Convoy arrive</p>	<p></p>	<p></p>
<p>Stand down by 1900hrs</p>	<p>Teams stand down</p>	<p></p>	<p>On site security at 'Greenfield' and HMS GANNET provided by MDP</p>

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DATE	EVENT	LOCATION	REMARKS
Tuesday 13/09/2011	Complete setup of all areas	All areas	Bronze and Support Base security provided by MDP
0800	Breakfast and Player briefing of NST phase	'Greenfield' Site	
0900	STARTEX (NST phase)	'Greenfield' Site	Injects to scripted timeline
1100	Continue Pass Issue, Briefing	Support Base (HMS Gannet)	TPW will control issue against nominal list Projector and Laptop Required
1130	Advance Party to Bronze	Hotel to HMS Gannet	HMS Gannet Standby Helicopter
1200	STARTEX (Gold & MBC phase)	All Areas	
1200 to 1400	Lunch	All areas	
1300	NST handover to MCA / Biz Cdr	'Greenfield' Site	Senator 2011 MCA Advance Party Play at Bronze. NST phase ENDEX
1330	MCA Advance Party to Gold	HMS Gannet to Jackton	HMS Gannet Standby Helicopter
1400	End NST phase	'Greenfield' Site	
1500	NST debrief		

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1800	Dinner (All)	Greenfield Site	On site security at 'Greenfield' and HMS GANNET provided by MDP
1900	Exercise Stand down (all areas)	All areas	

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DATE	EVENT	LOCATION	REMARKS
Wednesday 14/09/2011 As required	Breakfast	MCS/Hotels	Continuation from Day 1
0800	Day 2 Exercise Play continues	All areas	Player Action
0900 - 1200	Convoy Assets Depart	Greenfield / HMS Gannet	To be advised - in accordance with MO. Refueling team provided by A4 (for Gens & Convoy)
1200 -1400	Rolling Lunch	All areas	
1500	ENDEX Gold & MBC	Jackton & Pitt St	Gold interface with Bronze passed to SIMCELL
1530	Gold staff depart	Jackton & Pitt St to Glasgow Airport	Nominated Gold staff travel to Glasgow Airport for evening flight to Bristol.
1600	Washup at Gold	Jackton	Nominated Gold personnel only
1800	Dinner	All areas	
1900	Day 2 Exercise Stand down		Greenfield (Bronze) and Gannet (Support Base) security provided by MDP

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DATE	EVENT	LOCATION	REMARKS
Thursday 15/09/2011 As required	Breakfast	MCS/Hotels	Continuation from Day 2
0800	Day 3 Exercise Play continues	Bronze, Support Base & EXCON (Bronze)	
XXXX	Remaining Gold depart	Hotel – Glasgow Airport	Remaining nominated Gold staff travel to Glasgow Airport for flight to Bristol (Coach or NARO Driver?).
0900 - 1600	Remaining Convoy Assets Depart	Greenfield / HMS Gannet	To be advised - in accordance with MO. Refueling team provided by A4 (for Gens & Convoy)
1200 –1400	Rolling Lunch	MCS	
1500 - 1600	Day 3 ENDEX	All Areas	Site 'Lock Down' for recovery of 'Classifieds / Laptops etc' Secure MAUs and clean and tidy
1630	HOTWASH	'Greenfield' Site	
1700 – 1900	Dinner	MCS	On site security of Greenfield site provided by MDP
1900	Standdown		

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DATE	EVENT	LOCATION	REMARKS
Friday 16/09/2011	Site Recovery activities DROPS deploy to Bronze & load DROPS staged overnight	'Greenfield' Site, HMS Gannet & Jackton Greenfield' Site	Supervised by SWPT All FoF return to unit Refueling team provided by 27RLC On site security at Greenfield provided by MDP
Saturday 17/09/2011	Site Recovery activities DROPS vehicles deploy to RAF Wyton DROPS staged overnight	'Greenfield' Site RAF Wyton RAF Wyton	Supervised by SWPT Refueling team provided by 27RLC DROPS crew change at Catterick On site security at Greenfield provided by MDP
Sunday 16/09/2011	Recovery activities DROPS deploy to Bronze & load DROPS staged overnight	'Greenfield' Site RAF Wyton via Catterick HMS Gannet	Supervised by SWPT DROPS crew change at Catterick Refueling team provided by 27RLC On site security at Greenfield provided by MDP
Monday			

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19/09/2011	<p>DROPS vehicles deploy to RAF Wyton</p> <p>Site signed off</p> <p>Setup team return to units</p> <p>DROPS staged overnight</p>	<p>RAF Wyton via Catterick</p> <p>'Greenfield' Site</p> <p>RAF Wyton / Abbeywood</p> <p>RAF Wyton</p>	<p>Supervised by SWPT</p> <p>DROPS crew change at Catterick</p> <p>MDP Security standdown on departure of assets.</p>
Tuesday 20/09/2011	<p>DROPS vehicles return to unit</p>	<p>RAF Wyton</p>	

EXERCISE SENATOR 2011 - TOP LEVEL EXERCISE AIMS AND OBJECTIVES

AIMS

1. The initial aim of this exercise is to undertake the C² aspects of a pan-MOD Organisation of the Nuclear Accident Response Organisation. Demonstrating the effectiveness of the organisation from a nuclear weapon (NW) accident that has led to a release of radioactive contamination will also take place.

TOP LEVEL EXERCISE OBJECTIVES

2. The Exercise Objectives (within the agreed artificialities and constraints) are as follows:

Command and Control:

- To exercise the establishment and sustainability of a pan-MOD organisation required to manage the MOD aspects associated with the recovery of a NW from a damaged TCHD
- To exercise the integration and co-ordination of the planning processes that will ensure the generation of a safe and secure environment for activities within the cordon, including the management of the limited PAG process
- To exercise the management requirements associated with managing this task. (Note Exercise will be split over 3 days and no real time extended play will take place – there is to be no 24 hour working)

Hazards

- To establish and exercise the means by which the potential and consequent hazards are measured and assessed for the protection of responders and the environment.
- To exercise dressing/undressing and cordon control of personnel by HCMF

Security

- To exercise the implementation of the required security procedures designed to safeguard classified information, material and equipment at the accident scene.
- Exercise handover between Convoy Commander and NGF Commander

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Weapon Recovery

- To exercise the debris recovery and packaging process

Communications

- The use of Tyndale for internal voice and data communications
- The use of the Airwave communication system
- The use of NERIMS in the field environment
- Provide full comms capability in support of OP BANKNOTE

Medical

- The provision of Role 1 Medical Treatment Facility (MTF) including Immediate Emergency Care (IEC) in a contaminated environment

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Strathclyde Police

Strategic

- To exercise the Strategic Coordinating Centre at Jackton FTRC.
- To exercise the Police Command, Control and Coordination capability in response to a Nuclear convoy accident
- Exercise the effective management of the media through the Public Information Coordination Group

Aims and Objectives:

- To test the integration of Police emergency management procedures with those of local and national responders.
- To minimise disruption of the exercise and local community by Anti-Nuclear Protesters.
- To demonstrate multi agency response and capability across the 9 key tasks in support of the Strathclyde CBRN planning arrangements to facilitate validation under the ARGON program.

*Command, Control and Communication
Mobilisation
Arrival at Scene
Scene Assessment
Scene Management
Deliberate Reconnaissance
Rescue and Triage
Decontamination
Survivor Management*

North Lanarkshire Council

Strategic

- To test the Council's role within multi agency arrangements for responding to a nuclear weapons transport accident involving contamination of people and the environment.
- To test multi agency arrangements for responding to a nuclear weapons transport accident

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Aims and Objectives:

- Liaison across strategic, tactical and operational levels, including communication links between the incident site and co-ordination centres.
- Care for People arrangements.
- Liaison with other agencies, in the provision of a co-ordinated media response (Warning and Informing).
- Liaison with other agencies, for responding to the immediate and longer-term health and environmental implications of a contamination incident.
- To test the Council's role in leading the "return to normality" via the Recovery Working Group.
- Provide experience of participation in a major live-play exercise to Council staff.

South Lanarkshire Council

Strategic

- To test the Council's role within multi agency arrangements for responding to a nuclear weapons transport accident involving contamination of people and the environment.
- To test multi agency arrangements for responding to a nuclear weapons transport accident

Aims and Objectives:

- Liaison across strategic, tactical and operational levels, including communication links between the incident site and co-ordination centres.
- Care for People arrangements.
- Liaison with other agencies, in the provision of a co-ordinated media response (Warning and Informing).
- Liaison with other agencies, for responding to the immediate and longer-term health and environmental implications of a contamination incident.
- To test the Council's role in leading the "return to normality" via the Recovery Working Group.
- Provide experience of participation in a major live-play exercise to Council staff.

51 (Scottish) Brigade

Strategic Aims and Objectives:

- To act in support of the NARO organisation where required.

NHS Lanarkshire

Strategic

- Exercise NHS Lanarkshire staff and staff from NHS Ayrshire and NHS Greater Glasgow and Clyde in managing an emergency involving nuclear weapons and the release of radiation.

Aims and Objectives:

- To test various aspects of communication within NHS Lanarkshire and with external agencies
- To test access to specialist medical advice on the treatment of casualties.
- To exercise Strategic representatives participation in multi-agency Strategic Coordination Group

To exercise Director of Public Health/ Consultants in Public Health Medicine/ Specialist Registrars in chairing and participating in STAC including preparation of recommendations for Strategic Group

- To provide admin staff with experience of participation in support of STAC
- To exercise a medical incident officer and site medical team in a major incident involving multiple agencies. To coordinate the triage and treatment of casualties in conjunction with the Scottish Ambulance Service.
To provide a Medical Incident Officer and Site Medical Team with experience of working with second site medical team
- To exercise the use of Airwave in a Major Incident Situation

To exercise decontamination and treatment procedures for a small number contaminated including injured casualties at Monklands Hospital.

To exercise decontamination arrangements at Glasgow Royal Infirmary from uninjured possibly contaminated casualties

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Scottish Ambulance Service

Strategic

- Strategic Command of the Service
- Business Continuity Management in relation to the incident.
- Effective relationships between NHS and multi agency partners.
- Assess the effectiveness of the overall response
- Assess the strategic consequences and implications for the service

Aims and Objectives:

- Command and Control (at Strategic, tactical and operational levels)
- Scene Management
- Communications (including multi agency interface)
- Inner Cordon Working
- Decontamination of seriously traumatised contaminated casualties. (SAS should identify the extent of injuries prior to the exercise).
- Interface between NHS & SAS in relation to transportation of seriously traumatised contaminated casualties.
- Radiation monitoring in reception centres working with NHS, HPS, Military and other agencies to test SAS RPS trained advisors.

Scottish Water

Strategic

- To test the response to notification of a road traffic incident involving vehicles transporting cargo with a radiation hazard.
- To ensure Scottish Water can fulfil its role and responsibilities in the provision of water services within the context of the exercise scenario.

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Aims and Objectives:

- To take the opportunity to introduce key Scottish Water personnel to working as part of a multi agency response.
- To test Scottish Water's response to requests for assistance from other agencies at the Strategic Command Centre.

SECG

Strategic

- To effectively activate the Strathclyde Emergencies Co-ordination Group to meet as appropriate and provide strategic direction to the category 1 & 2 organisations responding to the incident.
- To allow SECG members to appreciate the process involved in responding to a NARO incident.
- To engage effectively at a strategic level with MOD staff to mitigate the effects of such an incident.
- To establish the STAC, Care for People Group, Recovery Working Group, to assist with decision making.
- To implement the media strategy, providing opportunities for members to practice press interaction.
- To identify and evaluate lessons, and develop methods to improve performance.

Aims and Objectives:

- To work collectively to ensure an effective response to and recovery from the exercise scenario.
- To provide briefings for transmissions to strategic members via the tactical control cell.
- To allow organisations to appreciate the processes involved in responding to a NARO incident.
- To evaluate the effectiveness of multi agency lessons, and develop methods to improve performance

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Strathclyde Fire and Rescue

Strategic

- Public Safety
- FF Safety
- Protect Property
- Protect Environment
- Aid recovery and return to normality

Aims and Objectives:

- To promote Inter agency liaison and cooperation
- To test Airwave interoperability
- To identify opportunities to develop and enhance existing procedures

Scottish Environment Protection Agency:

Strategic Objective

To test SEPA's Strategic role within multi-agency arrangements, for responding to a nuclear weapons transport accident, involving contamination of people, wildlife and the environment.

Objectives

- To Exercise and test SEPA staff, at both a Strategic and Tactical level.
- To Exercise and test communications between SEPA and its partner organisations, at both a Strategic and Tactical level.
- To Exercise and test the provision of advice and guidance by SEPA to partner agencies, as well as the Nuclear Operator, on matters of environmental contamination and the disposal of waste and water.
- To Exercise and test the participation of SEPA, in the Scientific Technical Advisory Cell (STAC) and Recovery Working Group as appropriate.
- To Exercise and test communications between SEPA staff at different locations, being the SECG, STAC, and remote Technical hub.
- To Exercise and test the provision of technical advice from the remote Technical hub to SEPA staff at the STAC and SECG.

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**Annex C to D/NM/12/76
Dated: September 2011**

EXERCISE CONSTRAINTS, ARTIFICIALITIES AND ASSUMPTIONS

1. Prestwick Airport 'Greenfield' site will be used as the accident location and will replicate M74, Junction 5.
2. Fire trays and smoke generators will simulate the debris from the burning vehicles.
3. Vehicles and debris provided by [REDACTED] will be used to simulate the wreckage.
[REDACTED S. 43(2) COMMERCIAL INTEREST]
4. Real-time Grid References for M74, Junction 5 are to be used throughout the Exercise. The accident location is at OS Grid: NS714586.
5. Strathclyde Civil Emergency Services (CES) will play in full, and this will involve applying current CBRN protocols on deployment, the use of Intermediate and Mass Decontamination equipment etc, as per current procedures. As the CES are not allowed to Blue Light to the exercise location, some will pre-deploy to the RV on site and be injected into play in accordance with the Exercise Timeline. Some CES crews may have to deploy real time due to shift change patterns.
6. All elements of the NW Convoy and MOD NARO are to be exercised. To de-risk the deployment of Convoy and MOD NARO assets, these assets will pre-deployed where they will be injected into play in accordance with the Exercise Timeline.
7. The 600 M Cordon edge will be used and this will allow maximum exercise flow within the confines of Prestwick Airport 'Greenfield' site. NW Convoy monitoring activities are to be undertaken within the boundaries of Prestwick Airport 'Greenfield' site. All other monitoring activities are to be undertaken as directed by OC RMG. Monitoring Di-Staff will inject monitoring results to players' in accordance with the Exercise Timeline.
8. **Exercise wind will be from 225° at 6 mps and the weather will be as Real Time.**
9. Exercise Play will include the de-contamination of both military and civilian players.
10. Simpress to be provided by CROWN MEDIA personnel.
11. Exercise Casualties/Contaminated Civilians include:
 - 2 x Deceased - Dummies to be placed at crash site at Startex
 - 7 x P1C/P2C - Amputees In Action
 - 50-100 x Uninjured Civilians (Various Contamination Levels)
12. Transport and Rest Centre facilities for casualty actors following decontamination will be provided by exercise di-staff.
13. No radioactive stimulants' or contaminating agents will be used.

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14. Notional NW Convoy number **MO 9999** is to be referenced for this Exercise.
15. All Di-Staff & Assessors are to be aware of the H&S risks arising from fire trays and smoke generating machines used during the Exercise.
16. Visitors for the Exercise must wear an "Orange Observers Bib" and be escorted at all times.
17. The Exercise Controller will initiate player action with a Di-Staff inject at STARTEX.
18. All agencies intend to setup BRONZE/SILVER and SILVER/GOLD SIMCELLs for the Exercise.
19. There are no restrictions on use of water for Cooling/Fire Fighting.
NO FIRE FIGHTING FOAM IS TO BE DEPLOYED.

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Annex D to D/SW/12/76
Dated: September 2011

NAME	DI-STAFF ROLE	ORGANISATION
[REDACTED]	Exercise Director	MoD DE&S
[REDACTED]	SWPT Exercise Controller	MoD DE&S
[REDACTED]	SWPT Exercise Controller	MoD DE&S
[REDACTED]	Exercise Safety Officer	MoD DE&S
[REDACTED]	SimPress DiStaff	MoD DE&S
[REDACTED]	SWPT Di-Staff	MoD DE&S
[REDACTED]	AWE Exercise Planner/Di-Staff	AWE NNSD
[REDACTED]	AWE Exercise Planner/Di Staff	AWE NNSD
[REDACTED]	Exercise Safety Officer	AWE NNSD
[REDACTED]	Exercise Security Officer	AWE
[REDACTED]	Monitoring Di-Staff Lead	AWE
[REDACTED]	Monitoring Di-Staff	NW Convoy
[REDACTED]	Monitoring Di-Staff	NW Convoy
[REDACTED]	Monitoring Di-Staff	RAF FP Cen
[REDACTED]	Monitoring Di-Staff	RAF FP Cen
[REDACTED]	Di Staff	Police RPA
[REDACTED]	JRLO Di Staff	51 (Scottish) Brigade
[REDACTED]		
[REDACTED]	Police Di Staff	Strathclyde Police
[REDACTED]	Police Di Staff	Strathclyde Police
[REDACTED]	Fire & Rescue Di Staff	SFRS
[REDACTED]	Fire & Rescue Di Staff	SFRS
[REDACTED]	Fire & Rescue Di Staff	SFRS
[REDACTED]	Fire & Rescue Di Staff	SFRS
[REDACTED]	Fire & Rescue Di Staff	SFRS
[REDACTED]	Fire & Rescue Di Staff	SFRS
[REDACTED]	Ambulance Di Staff	Scottish Ambulance Services
[REDACTED]	EA Di Staff	Environment Agency
[REDACTED]	North Lanarkshire CC Di Staff	North Lanarkshire CC
[REDACTED]	South Lanarkshire CC Di Staff	South Lanarkshire CC
[REDACTED]		
[REDACTED]		

[REDACTED S. 40(2) PERSONAL INFORMATION]

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Annex E to D/SW/12/76
Dated: September 2011

EXERCISE SENATOR 2011 - DISTAFF COMMUNICATIONS PLAN (COMPLAN)

Introduction

1. This ComPlan details the main forms of communication to be utilised by DISTAFF and control personnel during Ex SENATOR 2011.

Deployed Systems

2. The communications systems/services deployed will include:
- a. Telephones (Landline)
 - b. Mobile Telephones (Outside ROWAN)
 - c. Airwave Radios
 - d. Brent and Secure Fax

Security

3. Information whether conveyed as Voice or electronic message should only be transmitted over a circuit that is able to support the classification of the message. Users are not to pass information of a classified nature over non-approved circuits. For guidance, the following communications systems/bearers along with their associated classification will be in operation during Ex SENATOR 2011:

System	Medium	Classification
Landline	<i>Voice/Text</i>	<i>Unclassified</i>
Mobile Phones	<i>Voice/Text</i>	<i>Unclassified</i>
Airwave	<i>Voice/Text</i>	<i>Restricted</i>
Brent	<i>Voice/Fax</i>	<i>S</i>

Communications Security (COMSEC)

4. Users are reminded that insecure radio and some telephone assets are at threat from illicit / hostile monitoring. Therefore users are to adhere to approved communications procedures, security instructions and circuit discipline. Exercise activities are likely to attract close media attention and the capability exists to scan frequency bands and record conversations.

5. Each member of the Distaff will be given their own individual AIRWAVE Radio which will have their unique ISSI Number (as per Enclosure 1). All AIRWAVE users must attend a user briefing before they can be issued with an AIRWAVE Handset. Handsets are to be signed in and out each day. Exercise DISTAFF and SIMCELL Staff are to communicate using Talk group 1050 (Command and Control). Communications between individuals should be made using P2P calls.

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Annex F to D/NM/12/76
Dated: September 2011

EXERCISE VIPs & OBSERVERS

The following VIPs and Observers will be attending Exercise SENATOR 2011:

SER	NAME	REPRESENTING
1	[REDACTED]	HMS GANNET
2	[REDACTED]	HMS GANNET
3	[REDACTED]	HMS SEAHAWK
4	[REDACTED]	Cdr Sea King Force
5	[REDACTED]	HMS SEAHAWK
6	[REDACTED]	FRANCE
7	[REDACTED]	FRANCE
8	[REDACTED]	USA
9	[REDACTED]	USA
10	[REDACTED]	USA
11	[REDACTED]	USA
12	[REDACTED]	USA
13	[REDACTED]	USA
14	[REDACTED]	USA
15	[REDACTED]	USA
16	[REDACTED]	USA
17	[REDACTED]	DNSB
18	[REDACTED]	DSM
19	[REDACTED]	CSSE
20	[REDACTED]	TBC

[REDACTED S. 40(2) PERSONAL INFORMATION]

A VIP/Observer Programme will be issued under separate cover to this Exercise Instruction.
Nominated VIP/Observer Escorts will be identified from SWPT & AWE.

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**Annex G to D/NM/12/76
Dated: September 2011**

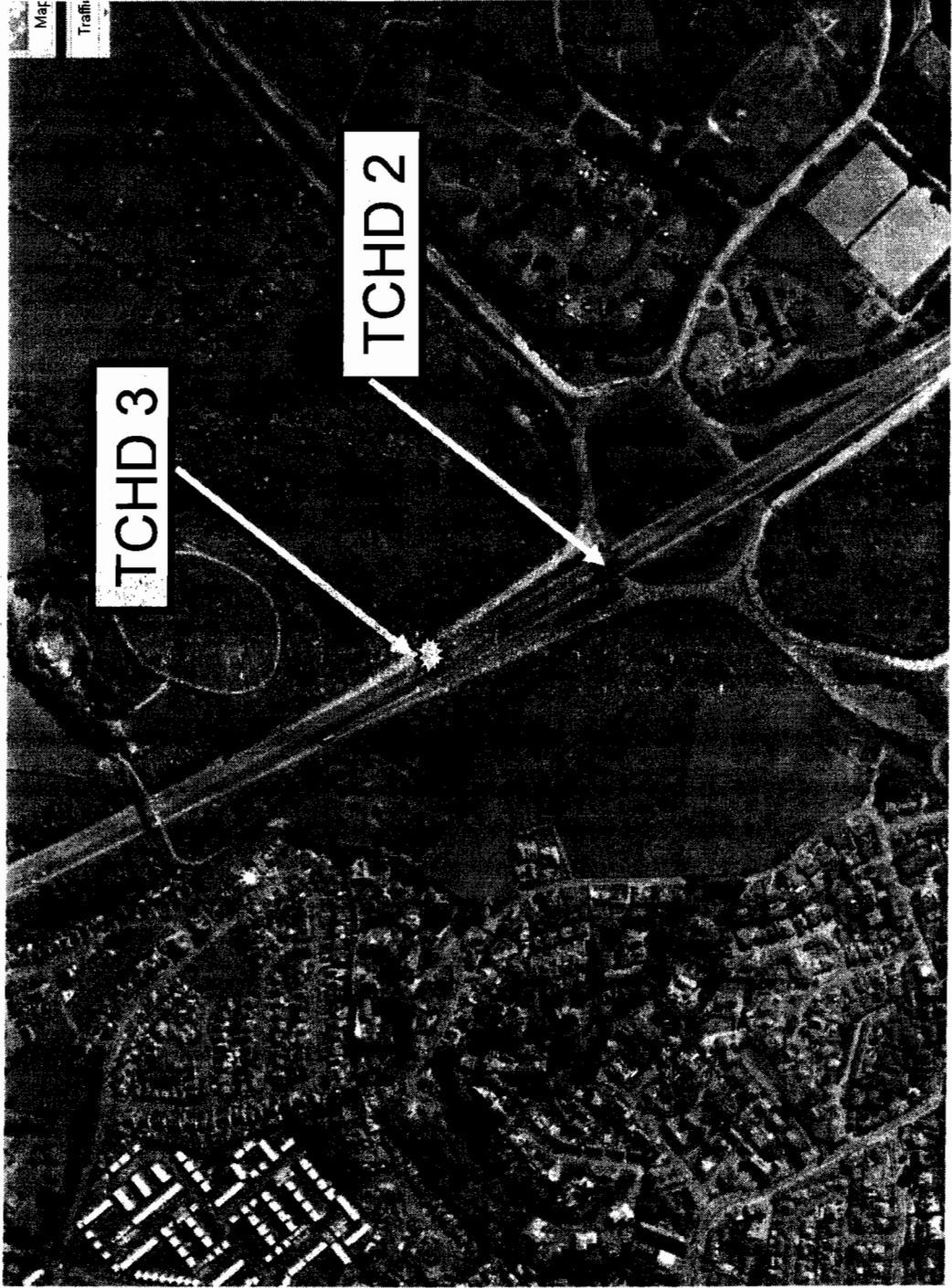
LIST OF ACRONYMS AND ABBREVIATIONS

AWE	-	Atomic Weapons Establishment
CBRN	-	Chemical Biological Radiological Nuclear
CES	-	Civil Emergency Services
COS	-	Chief of Staff
CR	-	Control Room
DES	-	Defence Equipment & Support
DNSR	-	Defence Nuclear Safety Regulator
Dstl	-	Defence Science Technology Laboratories
EA	-	Environment Agency
EPM	-	Exercise Planning Manager
GDS	-	Government Decontamination Service
HART	-	Hazardous Area Response Team (Ambulance Service)
HCMF	-	Health Control and Monitoring Force
HPA(RPD)	-	Health Protection Agency (Radiation Protection Division)
HQ	-	Head Quarters
H&S	-	Health & Safety
IRM	-	Immediate Readiness Manager
IRU	-	Incident Response Unit
IRV	-	Incident Response Vehicle
JART	-	Joint Aircraft Recovery & Transport Flight
JRLO	-	Joint Regional Liaison Officer (Army)
JSP	-	Joint Service Publication
LA	-	Local Authorities
LRF	-	Local Resilience Forum
MCA	-	Military Co-ordinating Authority
MCALO	-	MCA Liaison Officer
MDP	-	Ministry of Defence Police
MoD	-	Ministry of Defence
MOO	-	Movements Operations Officer
NARO	-	Nuclear Accident Response Organisation
NST	-	NARO Standardisation Test
OC	-	On completion
PTC	-	Primary Care Trust
RWG	-	Recovery Working Group
RVP	-	Rendezvous Point
SCG	-	Strategic Co-ordination Group
SNM	-	Special Nuclear Material
SME	-	Subject Matter Expert
SOPs	-	Standing Operating Procedures
SSC	-	Special Safety Cell (Aldermaston)
STAC	-	Scientific & Technical Advice Cell
SFRS	-	Strathclyde Fire and Rescue Service
TCP	-	Temporary Control Post
SAS	-	Scottish Ambulance Services

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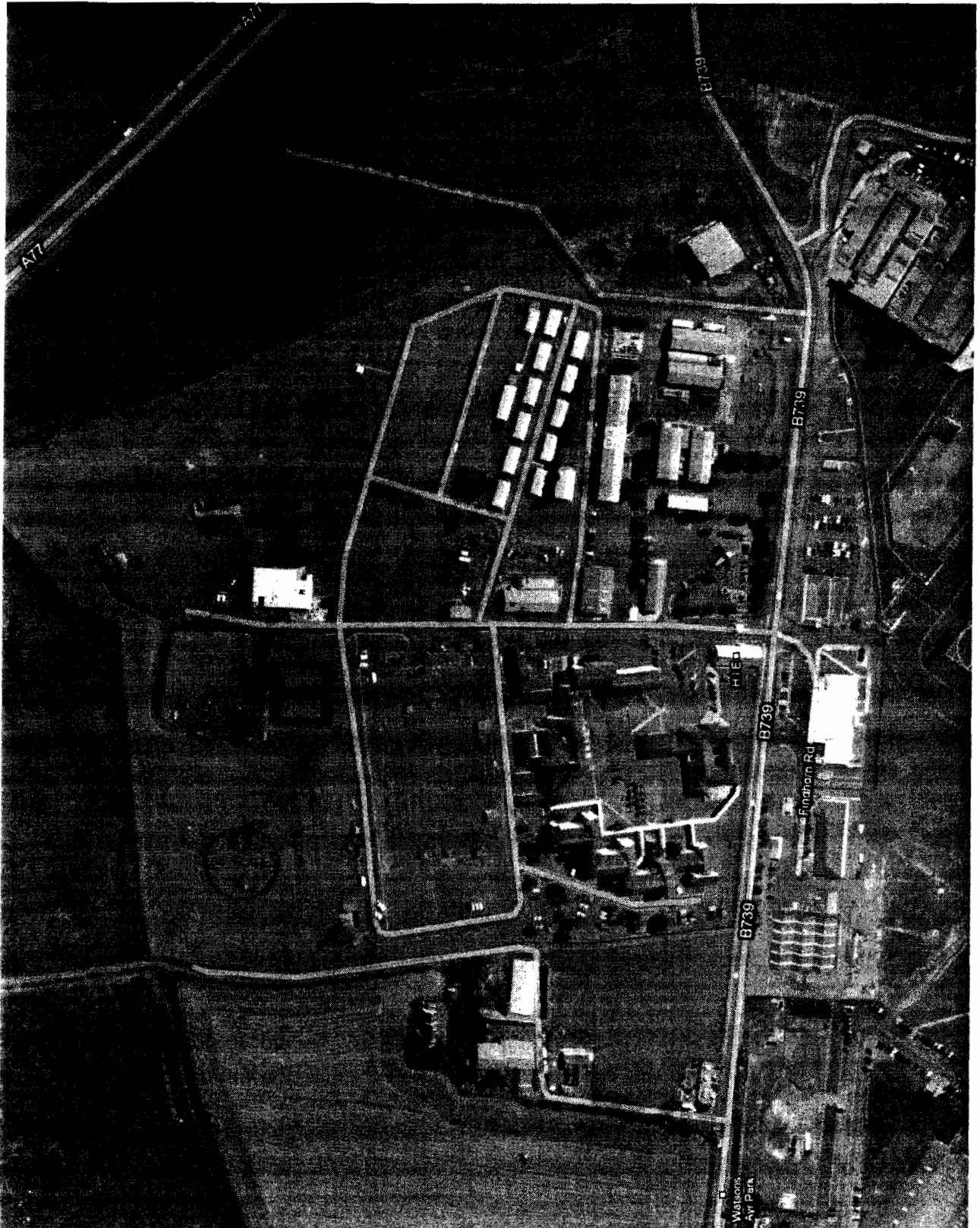
Annex H to D/NM/12/76
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EXERCISE SENATOR 2011 – EXERCISE MAP M74 JUNCTION 5



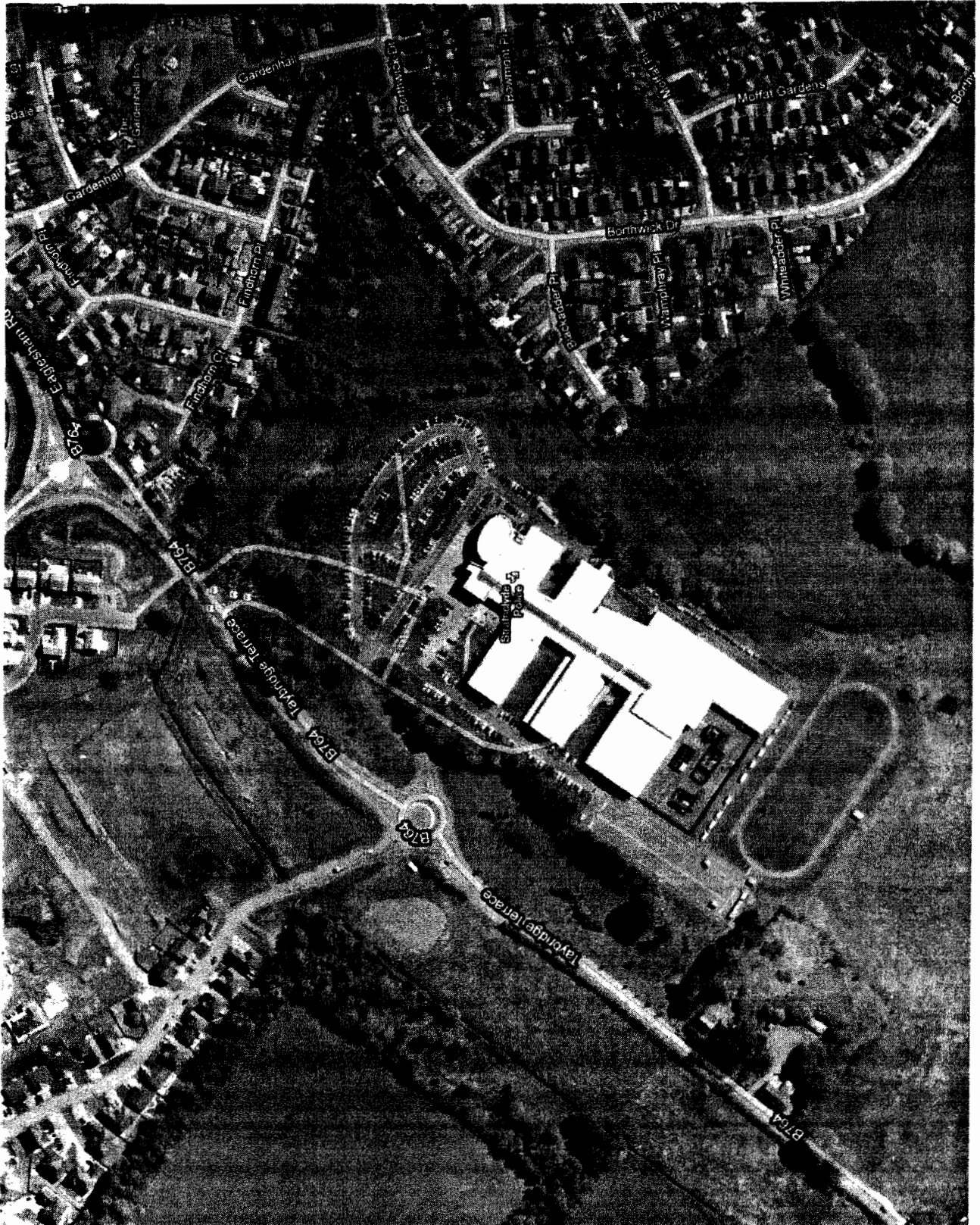
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EXERCISE SENATOR 2011 – EXERCISE LOCATION MAP
PRESTWICK AIRPORT 'GREENFIELD' SITE**



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EXERCISE SENATOR 2011 – EXERCISE LOCATION MAP
STRATHCLYDE POLICE TRAINING & RECRUITMENT CENTRE, JACKTON



EXERCISE SENATOR 2011 – EXERCISE LOCATION MAP
MEDIA BRIEFING CENTRE EXERCISE STRATHCLYDE POLICE HQ, PITT ST

