DATA CODES, MESSAGES AND DEFINITIONS

1.   The Data Codes raised at Groups consist of letters identifying the type of message followed by the Group Designation (eg AADUN). The message identification codes and their definitions are as follows:

AA	–	AWDREY Data
AC	–	AWREY Credibility
AK	–	Communications Test Acknowledgement
BB	–	Bomb Burst
CC	–	Dose Rate Situation
CS	–	Communications State
CT	–	Communications Test
FF	–	First Fallout
FM	–	Fallout Maximum
HM	–	HOMET Message
LL	–	Later Arrival
MR	–	Meteorological Post Report (METAR)
NR	–	Non-Routine
OR	–	Operational Readiness
PP	–	Post Situation - Post Out
QQ	–	Post Situation - Post IN
US	–	Post Situation - FSM Report
RR	–	Radiation Rate
WW	–	Fallout Warning Data

The Group designations are as follows:

ABE	–	ABERDEEN
AYR	–	AYR
BED	–	BEDFORD
BEL	–	BELFAST
BRI	–	BRISTOL
CAR	–	CARLISLE
COL	–	COLCHESTER
COV	–	COVENTRY
DUN	–	DUNDEE
DUR	–	DURHAM
EDI	–	EDINBURGH
EXE	–	EXETER
HOR	–	HORSHAM
INV	–	INVERNESS
LIN	–	LINCOLN
MAI	–	MAIDSTONE
NOR	–	NORWICH
NWA	–	NORTH WALES
OXF	–	OXFORD
PRE	–	PRESTON
SHR	–	SHREWSBURY
SWA	–	SOUTH WALES
WIN	–	WINCHESTER
YEO	–	YEOVIL
YOR	–	YORK

2.   Data Codes raised at Sector Controls are a similar pattern to those raised at Groups but using the Sector designations, eg MMCAL. The message identification codes are as follows:

BX   -   Continental Bomb Burst
EF   -   Effective Downwind Forecast
MM   -   Meteorological Message
OR   -   Operational Readiness
TT   -   Threat Data
TX   -   Continental Threat Data

The Sector Designations are as follows:

CAL   -   CALEDONIAN
MET   -   METROPOLI AN
MID   -   MIDLAND
SOU   -   SOUTHERN
WES   -   WESTERN

REPORTING SEQUENCES

1.   Priorities. Information will be transmitted/received from the Posts in the following order of priority:

    1.   TOCSIN

    2.   EXPLOSION HEARD

    3.   NUCLEAR BURST

    4.   FIRST FALLOUT

    5.   OTHER INFORMATION

Note: Posts having FIRST FALLOUT information to report during 10 minute dose-rate reports will normally delay reporting these until the PDP has obtained reading from all the Posts under his control.

2.   TOCSIN Reports. The Post is to report all pressures of 02 KPa or more to the Control as follows:

    (1)   The Post is to say the word TOCSIN followed by the Group name, the Post number, the word POST, the time of the BPI reading followed by the word OVER.

    (2)   Release transmit button on the Loudspeaker Telephone and pause to allow the Post Display Plotter to repeat the call.

    (3)   The Post is to then say the word PRESSURE.

    (4)   Say the actual pressures to the nearest kPa followed by the word OVER.

    (5)   Release transmit button on the Loudspeaker Telephone and pause while Post Display Plotter says THANK YOU, OUT as an acknowledgement.

    EXAMPLE

    Post speaks: "TOCSIN - HORSHAM TEN POST - TEN OH ONE - OVER"

    Plotter calls out: "TOCSIN - HORSHAM TEN POST - TEN OH ONE - OVER"

    Post speaks: "PRESSURE ONE ZERO - OVER"

    Plotter replies: "THANK YOU - OUT"

3.   Explosion Heard Reports.   The posts will report explosions heard in the following format:

    (1)   The Post is to say the words EXPLOSION HEARD, followed by the Group name, the Post number and the words POST OVER.

(2)   Release transmit button on the Loudspeaker Telephone and pause to allow the plotter to repeat the Group name, the Post number followed by the words POST, OVER.

(3)   The Post is then to say the time of the explosion heard and the word OVER.

(4)   Release transmit button and pause while the Post Display Plotter says THANK YOU, OUT as an acknowledgement.

EXAMPLE

Post speaks: "EXPLOSION HEARD HORSHAM TEN POST - OVER"

Plotter replies: "HORSHAM TEN POST - OVER"

Post speaks: "TEN TWENTY FIVE - OVER"

Plotter replies: "THANK YOU - OUT"

4.   Nuclear Burst Reports. The Posts will report Nuclear Burst information using the following sequence:

(1)   The Post is to say the words NUCLEAR BURST, followed by the Group name, the Post number and the words POST OVER.

(2)   Release transmit button on Loudspeaker Telephone and pause to allow the Plotter to repeat the Group name, the Post number followed by the words POST, OVER.

(3)   The Post is to then say the time (from column 2 of Form GZI) at which the Observer left the monitoring room to change the GZI cassettes.

(4)   Say the word BEARING followed by the actual bearing in degrees (from column 3 of Form GZI).

(5)   Say the word ELEVATION followed by actual elevation in degrees (from column 4 of Form GZI).

(6)   Say the word TOUCHING or CLEAR as appropriate (from column 5 of Form GZI).

(7)   Say the words SPOT SIZE followed by the actual spot size in degrees (from column 6 of Form GZI), followed by the word OVER.

(8)   Release transmit button of the Loudspeaker Telephone and pause to allow the Post Display Plotter to acknowledge by saying THANK YOU, OUT.

EXAMPLE

Post speaks: "NUCLEAR BURST HORSHAM TEN POST - OVER"

Plotter replies: "HORSHAM TEN POST - OVER"

Post speaks: "TEN OH FIFE - BEARING TWO ZERO SIX - ELEVATION ZERO
                    FIFE - TOUCHING - SPOT SIZE ONE ZERO - OVER"

Plotter replies: "THANK YOU - OUT"

5. <u>First Fallout Reports</u>. The time of First Fallout arrival at a Post will be passed using the following sequence:

a.   The Post is to say the word FIRST FALLOUT followed by the Group name, the Post number and the words POST, OVER.

b.   Release transmit button of loudspeaker telephone and pause to allow the Post Display Plotter to repeat the Group name, the Post number, followed by the words POST, OVER.

c.   The Post is to then say the time of the first fallout and the word OVER.

d.   Release transmit button and pause while the Post Display Plotter says THANK YOU, OUT as an acknowledgement.

EXAMPLE

Post speaks: "FIRST FALLOUT HORSHAM TEN POST - OVER"

Plotter replies: "HORSHAM TEN POST - OVER"

Post speaks: "THIRTEEN THIRTY TWO - OVER"

Plotter replies: "THANK YOU - OUT"

6. <u>New Fallout</u>. If a Post is affected by an arrival of new fallout (ie when the FSM display rises to 0.1 cGy/h a further time) the following sequence will be used:

a.   Say the Group name, the Post number, followed by the words POST OVER.

b.   Release the transmit button on the loudspeaker telephone and pause while the Post Display Plotter repeats the call as an acknowledgement.

c.   Say the words NEW FALLOUT, OVER.

d.   Release the transmit button and pause while the Post Display Plotter says THANK YOU, OUT.

EXAMPLE

Post speaks: "HORSHAM TEN POST - OVER"

Plotter replies: "HORSHAM TEN POST - OVER"

Post speaks: "NEW FALLOUT - OVER"

Plotter replies: "THANK YOU - OUT"

7. <u>Dose-Rate Readings</u>. Once the time cycle is started the PDP will call for dose-rate readings every even 5 minutes using the following sequence:

a.   The Post is to report the dose-rate to the Plotter when called for:

      i.   Say the Group name, the Post number, followed by the word POST.

      ii.   Say the words NO READING if the display shows a reading below 0.1 cGy/h followed by the word OVER.

      iii.   Say the dose-rate shown on the digital display if it is 0.1 cGy/h or above, in accordance with Annex A Paras 10-14.

      iv.   Release transmit button on loudspeaker telephone.

b.   The Post Display Plotter will acknowledge reports collectively by saying "THANK YOU, OUT" after the reading from the last Post on each Cluster under his control has been reported.

EXAMPLE

Plotter speaks:	Post replies:
"HORSHAM TEN POST - OVER"	"HORSHAM TEN POST - ONE POINT SIX - OVER"
"HORSHAM ELEVEN POST - OVER"	"HORSHAM ELEVEN POST - NO READING - OVER"
"HORSHAM TWELVE POST - OVER"	"HORSHAM TWELVE POST - FIFE ONE - OVER"
etc	
"THANK YOU - OUT"	

8.   Communications Tests. On initial manning or on the handover between two Post Display Plotters a communications test will be made using the following sequence:

Plotter calls	Post Replies
"HORSHAM TEN POST, OVER"	"HORSHAM TEN POST, OVER"
"HORSHAM TEN POST THANK YOU, OUT"	
"HORSHAM ELEVEN POST, OVER"	"HORSHAM ELEVEN POST, OVER"
"HORSHAM ELEVEN POST THANK YOU, OUT"	
"HORSHAM TWELVE POST, OVER"	"HORSHAM TWELVE POST, OVER"
ETC.	

9.   Verbal Control of the Time Cycle. If the automatic tone should fail the reporting time cycle will be controlled verbally by the Post Display Plotter:

a.   At 1/2 minute before the end of a five-minute period, the Plotter will say the Group name and Cluster numbers, followed by the words CLUSTERS STANDBY - OUT. The Posts are not to acknowledge the call, but stand by to read the FSM.

b.   At the end of a five-minute period, the Plotter will say the Group name and Cluster numbers, followed by the words CLUSTERS READ (or CLUSTERS READ OUT at the odd five-minute intervals). The Posts are not to acknowledge the call, but read the FSM and log the reading.

c.   At the even five-minute intervals, wait until the Plotter says the Group name and Post number, followed by the words POST, OVER, then make the appropriate report (see para 6).

10.   Whichever method is in use, the Post Display Plotter will acknowledge reports collectively from each Cluster after receiving the last reading by saying THANK YOU, OUT.

11.   Synchronisation of Time. To synchronise time daily between the Control and the Posts at 0800, or as soon as possible thereafter, and at other times if the accuracy of the clock or watch at the Posts is suspected:

a.   The Post is to say the Group name and the Post number, followed by the words POST, OVER.

b.   Release the transmit button of the LST to allow the Plotter to repeat the call.

c.   Say the words TIME CHECK PLEASE, OVER.

d.   Release the transmit button at the LST and await time check.

e.   Acknowledge by saying the Group name and the Post number followed by the words POST, THANK YOU, OUT.

EXAMPLE

Post speaks	Plotter replies or acknowledges
"HORSHAM TEN POST, OVER"	"HORSHAM TEN POST, OVER"
"TIME CHECK PLEASE OVER"	"WHEN I SAY NOW, THE TIME WILL BE 0805 (pause until impulse of Control clock) - NOW 0805, OVER"
"HORSHAM TEN POST, THANK YOU, OUT"	

12.   Other Information. The passing of messages to and from the Control and Posts follows a similar pattern regardless of the actual content of the message, and are outlined in the following paragraphs.

13.   When the Post has reports to make to the Control, the Post will alert the PDP in one of two ways.

a.   If two-way communication is not established the Post will initiate the call by pressing the 'Call' button. The PDP will answer the buzzer by pressing the appropriate "Cluster Key" and say the Group name followed by the words CONTROL - OVER. The Post will then identify itself by saying the Group name and Post number followed by the word POST.

b.   If two-way communication is already established the Post will identify itself by saying the Group name and Post number followed by the words POST, OVER. The PDP will acknowledge the call by repeating it.

c.   In both cases the Post will then pass the message finishing with OVER and the Plotter will repeat it finishing with the word OUT as acknowledgement.

EXAMPLES

a.   Two-way communication not established.

Post calls:	(Press call button)
Plotter replies:	"HORSHAM CONTROL - OVER"
Post speaks:	"HORSHAM TEN POST - CARRIER RECEIVER OPERATING (or UNSERVICEABLE or NOT INSTALLED as appropriate) - OVER"
Plotter replies:	"HORSHAM TEN POST - CARRIER RECEIVER OPERATING - THANK YOU - OUT"

b.   Two-way communication established.

Post speaks:	"HORSHAM TEN POST - OVER"
Plotter replies:	"HORSHAM TEN POST - OVER"
Post speaks:	"STAGE ONE OPERATIONAL - OVER"
Plotter replies:	"STAGE ONE OPERATIONAL - OUT"

14.   When the PDP has a message to pass to one or more Posts he will use the following sequence:

a.   The Group name, the number(s) of the Post(s) followed by the word POST(S).

b.   The words 'STAND BY FOR MESSAGE'.

c.   Text of message.

d.   The words MESSAGE ENDS, POSTS ACKNOWLEDGE.

e.   The number of the first Post concerned followed by the word OVER and a pause for the Post to respond confirming receipt, requesting a repeat etc.

f.   The numbers of all subsequent Posts concerned and the word OVER and a pause as above.

EXAMPLE

Plotter: "HORSHAM TEN AND TWELVE POSTS, STAND BY FOR MESSAGE, FALLOUT APPROACHING, MESSAGE ENDS. POSTS ACKNOWLEDGE, HORSHAM TEN POST - OVER"

10 Post: "HORSHAM TEN POST, THANK YOU - OUT"

Plotter: "HORSHAM TWELVE POST OVER"

12 Post: "HORSHAM TWELVE POST, REPEAT - OVER"

(After repeat Twelve Post will acknowledge as above.)