



DESC Update: NDM Sample

Data Recorders Update

DESC 10th November 2010

Datarecorders: Background

- Datarecorder equipment has been used to provide sample data for Bands 1 and 2 sites since 1994.
 - Equipment was ageing and parts have been unobtainable since 2006.
- Solution was required to maintain the robustness of the sample going forward
- Following an open tender process xoserve commissioned a new service provider (Utilitec Services Ltd - a Technolog subsidiary) to manage sample and install and maintain equipment, manufactured by Technolog Ltd.
- Between 01 July and 31 October, all data recorder equipment was replaced with new Automatic Meter Reading (AMR) technology
- Key to AMR transfer programme was maintaining the ongoing integrity of sample whilst realising benefits of an automated solution.

Datarecorders to AMR: Process for Transfer of Equipment

- Communicate with 4,200 end consumers, providing information on new equipment and requesting permission to install AMR.
- Web site set up to enable end consumers to read about programme, with a link to facilitate further questions and agree permission to install.
- Planned installation of three LDZ's per month commencing 12th July.
 - Phase 1 – North West, North East, Eastern;
 - Phase 2 – Wales, West Midlands, East Midlands;
 - Phase 3 – North Thames, South West, Scotland;
 - Phase 4 - Northern, South East, Southern.

NDM Sample: Data Recorders Bands 1 & 2

Actual Sample : Project Start – July 2010

LDZ	ACTUAL Recorder Sample Size		
	Band 1	Band 2	Total
SC	271	78	349
NO	267	68	335
NW / WN	258	68	326
NE	292	69	361
EM	290	60	350
WM	272	64	336
WS	281	78	359
EA	296	62	358
NT	273	61	334
SE	273	64	337
SO	289	89	378
SW	283	77	360
TOTAL	3345	838	4183

NDM Sample: Data Recorders Bands 1 & 2

No. of losses during transfer programme

LDZ	No. of losses during transfer programme		
	Band 1	Band 2	Total
SC	32	4	36
NO	20	4	24
NW / WN	14	0	14
NE	25	3	28
EM	18	5	23
WM	16	1	17
WS	25	7	32
EA	19	5	24
NT	28	7	35
SE	29	6	35
SO	17	5	22
SW	27	3	30
TOTAL	270	50	320

- Table details the number of sample points which were 'lost' during the AMR transfer programme

- Generally sample sites were 'lost' for the following reasons:

End user refused permission.

Meter fault - no pulse.

No signal on any network.

Weak/inconsistent signal.

Vacant site.

Non loggable meter.

- Actual overall loss rate was 7.6%.

NDM Sample: AMRs Bands 1 & 2

No. of new sites commissioned

LDZ	No. of new AMRs installed		
	Band 1	Band 2	Total
SC	12	0	12
NO	0	0	0
NW / WN	17	0	17
NE	9	0	9
EM	15	0	15
WM	21	0	21
WS	20	3	23
EA	21	0	21
NT	14	0	14
SE	1	0	1
SO	0	0	0
SW	0	0	0
TOTAL	130	3	133

- During the summer new installations to the sample were also sought
- Table summarises the number of sites commissioned so far
- 6651 letters sent out
- Band 1 response rate 3.8%
- Band 2 response rate 3.3%
- 54 installations aborted due to non suitability of meter or end consumer changing mind.
- 60 sites currently pending install
- Work ongoing to find additional sites

NDM Sample: AMRs Bands 1 & 2

Actual Sample : Transfers complete – Nov 2010

LDZ	ACTUAL AMR Sample Size			Difference: Jul '10	
	Band 1	Band 2	Total	Band 1	Band 2
SC	251	74	325	-20	-4
NO	247	64	311	-20	-4
NW / WN	261	68	329	+3	0
NE	276	66	342	-16	-3
EM	287	55	342	-3	-5
WM	277	63	340	+5	-1
WS	276	74	350	-5	-4
EA	298	57	355	+2	-5
NT	259	54	313	-14	-7
SE	245	58	303	-28	-6
SO	272	84	356	-17	-5
SW	256	74	330	-27	-3
TOTAL	3205	791	3996	-150	-47