

**CENSUS ADVISORY GROUP for WALES (CAGW)****AG (09) 01 CAGW****2011 Census Highlight Report****Summary**

ONS has prepared this Highlight Report on progress on a number of 2011 Census and other census-related issues not covered by agenda items. The paper covers:

- 1) 2009 Census Rehearsal update**
- 2) Security update**
- 3) 2011 Questionnaire Development update**
- 4) Address Register Development update**
- 5) Internet Data Capture update**
- 6) Accessibility Proposals**
- 7) Census Communication Campaign preparations**
- 8) Statistical Disclosure Control update**

## 1) 2009 Census Rehearsal update

1. The England & Wales Census Rehearsal will comprise approximately 135,000 households in Anglesey (Ynys Mon), Lancaster and Newham. Rehearsal day is 11<sup>th</sup> October 2009 and preparations are well underway.
2. A field address checking exercise has taken place and the findings are currently being incorporated into the address register in preparation for printing of addressed questionnaires at the end of July this year.
3. The contract to provide integrated nationwide personnel services for the 2011 Census has been awarded to Capita Business Services. Capita will provide services to help recruit, train and pay the estimated 35,000 ONS staff needed to deliver the 2011 Census and rehearsal. Staff will be recruited from local communities across England and Wales to carry out Census field roles. Posts include Area Managers, local team coordinators and Census delivery and collection staff. Recruitment for the rehearsal will start in the rehearsal areas in May 2009. Nationwide recruitment for the 2011 Census will start in June 2010.
4. We continue to work with local authorities in the rehearsal areas, gathering support for recruitment of field staff and for local publicity. We are also collecting local information and details of community contacts from the 3 rehearsal authorities.
5. In order to provide accessible support, we are producing translation booklets in 30 languages as well as information in Braille, British Sign Language video clips and audio clips. All of these will be made readily available through community and local authority networks in rehearsal areas.
6. We are also progressing as planned on all the supporting systems for:
  - Receipting and scanning returned paper questionnaires;
  - Internet questionnaire completion
  - Web self-help and the contact centre;
  - An internal management information system to help us deploy the field force effectively.
7. A Rehearsal Evaluation Plan has been developed to help us to identify lessons learned from the rehearsal and incorporate them into the preparations for the 2011 Census.

## 2) Security update

1. Information Security is a fundamental component of the 2011 Census. ONS, and its predecessors, have a 200 year track record of maintaining census confidentiality. ONS' commitments to Information Security are detailed in the 2011 Census White Paper (available at <http://www.ons.gov.uk/census/2011-census/2011-census-project/legislation/index.html>) and further on the Census website (available at <http://www.ons.gov.uk/census/2011-census/2011-census-project/census-data-security-measures>).
  
2. To deliver successful security, 2011 Census needs to manage internal and external threats which could adversely affect the confidentiality, integrity and availability of 2011 census information. 2011 Census has undertaken the following activities to achieve this goal:
  - I. Clear definition of security requirements, which have then been reflected in the technical and procedural design for 2011 Census. This is supported by detailed security documentation which covers:

a) Physical security of census assets	f) Logging, monitoring and auditing of user actions
b) Application security	g) Ensuring availability of IT systems and infrastructure
c) Infrastructure security	h) People security issues – recruitment and awareness
d) User access to buildings, networks and IT applications	i) Testing of security including penetration testing
e) Use of websites connected to the Internet	

- II. Adherence to government security standards for people, processes and technology while delivering the census.
  
- III. Gaining security assurance across 2011 Census activities, to understand that the security which we have specified has been delivered through a range of security testing undertaken by ONS, our contractors and independent security experts.
  
- IV. Planning for decommissioning of 2011 Census data collection systems, destruction of questionnaires and archiving of data upon completion of the census; ensuring census data is appropriately accounted for and handled correctly.

3. The 2011 Census programme is following Government wide information risk management and data security standards. All census data is owned by ONS, remains in the UK and is processed only by ONS or UK/EU companies.
4. The recruitment process for all 2011 Census field force staff engaged on the 2011 Census programme meets relevant legislation and uses various personal screening techniques as required by HMG policy. All persons working on the 2011 Census including permanent ONS employees, the field force or contractors are required to sign confidentiality undertakings to ensure that they are aware of their confidentiality obligations and liability under the terms of the Statistics and Registration Service Act 2007.
5. The physical security of personal census information held in Census Offices, by field staff or by authorised agents is strictly enforced. Sites processing census data will have in place access control systems, CCTV, security guards, intruder alarms etc. ONS staff will confirm provision of these facilities with suppliers and independent physical security checks will also be undertaken to validate their implementation is effective.

### **3) 2011 Questionnaire Development update**

1. Members should note that paper AG (09) 02 summarises further questionnaire development and has been circulated for information.
2. Advisory Group members are asked in particular to note for information that a programme of additional development and testing of a small number of questions is taking place. The White Paper 'Helping to shape tomorrow' published proposals for the Census and facilitated public and parliamentary debate and scrutiny of those proposals.
3. As a result of this scrutiny and debate, ONS has further considered concerns raised during the period since the White Paper was published, and has identified a small number of issues for further investigation and evidence gathering.
4. Additional development and testing of the questions about student addresses, religion and citizenship is taking place. Further testing of the ethnic group question is also being considered. More details are given in paper AG(09) 02.
5. This further question testing will be completed in summer to allow final decisions to be made on these outstanding issues before the Census Order is laid before Parliament in autumn 2009.

## 4) Address Register Development update

### Background:

1. The National Census Address Development Project consists of 3 distinct phases:
  - The **Pilot** phase, which involved address matching of 24 local authorities and selected field checking exercises (July 08 through to December 08).
  - The **Rehearsal** phase, which involves 3 local authorities and a complete field checking exercise (March 09 through to May 09).
  - The **National** address matching and checking phase across all of England and Wales (May 09 through to September10).

### Progress:

2. Good progress has been made: the Pilot and Rehearsal address matching phases have been both completed; procurement of the national infrastructure and initial matching of the national address register have been delivered; the Rehearsal field-checking of around 100,000 address was finished on schedule (April 09).
3. Data sharing agreements are now in place with the key suppliers - Royal Mail and the Local Government Information House. A similar agreement with Ordnance Survey is expected to be in place shortly. The existence of these agreements and the flexibility and support of the suppliers during the pilot have been key in the good progress made to date.
4. Findings from the Pilot are now being used in refining plans for construction and validation of the Address Register. The Register will be built through comparison of the National Land and Property Gazetteer and Postcode Address File, and by matching with other datasets including Valuation Office Agency sourced data. Work is currently underway to finalise the address resolution process and the project is on schedule to share address anomalies with suppliers in June 2009. Supplier resolution will be supported by checking of remaining anomalies by Local Authorities, followed by targeted fieldwork by ONS staff. ONS fieldwork is currently being planned for 30% of the country – although this remains open to review in light of ongoing research. The careful management of changes and updates in the different registers, particularly in the last few months before 2011 Census, will be critical in ensuring an effective register.
5. We are aware that detailed plans for the Address Register are of general interest to many stakeholders and of particular interest to LAs which will be taking part in the address validation process. Liaison with LAs will be via the newly formed Local Land and Property Gazetteer (LLPG) Regional Chair Working Group and through a series of workshops to be held during the next few months – dates to be announced shortly.
6. A full report on findings of the Pilot and on plans for construction and validation of the Address Register is planned for publication in the summer.

## **5) Internet Data Capture update**

1. Work is progressing well with the development of the Internet Data Capture service for 2009 Census Rehearsal.
2. The application is being developed under contract by a consortium of specialist companies.
3. The 'Look and Feel' i.e. page layouts; branding; check boxes etc., was agreed and subjected to usability testing. A diverse group of 24 members of the public were involved. The analysis of results has led to a few improvements, and the next round of testing takes place in June. This will involve 48 individuals. Accessibility testing has also taken place to ensure that we are meeting the required standards for use by diversity groups who require such facilities as screen readers, large text etc.
4. A prototype of the application on CD with the near final design has been provided to ONS, so that further in-house trials and presentations can be undertaken.
5. The hardware configuration has been designed, which will provide more than adequate capacity for Rehearsal volumes. Further assessment will need to take place to ensure that the roll out for 2011 will be sufficiently resilient to handle the high peak loading we are anticipating. Our current estimate - to be continually reviewed is that 25% of households will respond via the internet.
6. Confidentiality considerations are well advanced and penetration tests will be undertaken prior to Rehearsal to ensure that the service meets our stringent security demands.

## 6) Accessibility Proposals

1. ONS is committed to delivering an inclusive 2011 Census and 2009 Rehearsal, providing an accessible on-line service and additional support formats to allow people to complete their questionnaire independently. In addition, some people may prefer to use an accessible support format in conjunction with their normal method of completion. ONS recognises there is no one method of completing a questionnaire and aims to provide choice.
2. After consultation with key groups such as the Royal National Institute for the Blind (RNIB) and British Deaf Association (BDA), the following Accessible Formats in English and Welsh are to be piloted in the 2009 Rehearsal:
  - Braille Guidance Booklet
  - Audio Guidance Cassette Tape
  - Audio Guidance CD
  - British Sign Language (BSL) Guidance CD
  - Audio Clips on website
  - BSL Clips on website
  - Large print questionnaire
3. Accessibility information will be on the website and formats available to the public at request through the Contact Centre. This message will be passed to key disability groups through engagement and publicity. In addition, ONS Community Liaison will be looking at innovative ways of targeting these formats such as through libraries and disability clubs. Following evaluation of the Rehearsal, decisions will be made on the accessible formats to be produced for the 2011 Census. There will be a tendering exercise for a contract to supply them.
4. Workshops will be held in autumn 2009, after the rehearsal with a range of stakeholders from accessibility groups in order to discuss initial feedback from the rehearsal and gather further views about plans for 2011.
5. Accessibility and usability testing of the Rehearsal website is under way. The second round of usability testing has been implemented by Abilitynet and work has begun with the RNIB to gain 'See it Right' accreditation for 2011. On successful completion, the website will meet RNIB and Abilitynet guidelines to maximise accessibility for users.

## **7) Census Communication Campaign preparations**

1. A number of specialist communication agencies have recently been appointed to support the development of the 2011 Census communication campaign to the general public. These specialist communication agencies will provide a range of services including:
  - Advertising, design and media buying
  - Communication with diverse ethnic audiences
  - Market research
  - PR and on line communication
2. Work is now beginning with these agencies to develop an integrated communication campaign, building on the 2011 Census brand developed during 2008. The rehearsal provides the opportunity to test a number of the elements of the campaign within limited geographical areas.

## **8) Statistical Disclosure Control (SDC) update**

1. ONS continues to work towards the recommendation of an SDC strategy for tabular outputs, harmonised across UK Census Offices.
2. Previously, in July 2007 a review of a wide range of SDC methods had been undertaken, assessing them against a set of qualitative criteria in line with the policy statements made by the Registrars General. This resulted in the following three SDC methods being short-listed for further evaluation to assess risk and utility quantitatively:
  - Record swapping
  - Over-imputation
  - Invariant ABS Cell Perturbation Method (IACP, based on the method developed by the Australian Bureau of Statistics)
3. Though work has been delayed by some errors in the microdata, we now intend to present the evaluation report to the UK Census Design & Methodology Advisory Committee peer review sub-group and UK SDC Working Group members in June, and report to UK Census Committee in July, with a view to the SDC strategy being signed off.
4. Initial meetings have also taken place on the SDC methods that might be used to protect microdata samples. The methods employed will largely depend on the methods chosen for tabular outputs.