Documentation for ARP r7001 (DCP 227)

1. This document describes an Annual Review Pack developed for the DCP 227 working group. The reference version is the template incorporating DCP 179 available from the DCUSA website dated 19 November 2014.

Additional input data

2. Separate forecast volumes for agreed capacity and exceeded capacity are required on sheet "CDCM Volume Forecasts".

Additional output data

3. There is an additional column in the tariff tables for the exceeded capacity charge.

Changes to calculations

4. The embedded CDCM model has been modified to implement DCP 161 and DCP 227.

5. Additional processing steps have been added within the ARP in order to manage separate forecast volumes for agreed capacity and exceeded capacity, and separate agreed and exceeded capacity charges.

Overview of workbook structure and data flows

6. Table 1 lists the worksheets in the Annual Review Pack workbook and where the data on each sheet come from.

Table 1   Annual Review Pack workbook structure

Sheet	Description and sources of data for this sheet
Overview	Company name and date taken from sheet "CDCM Forecast Data".
Commentary	Contains a commentary. Company name taken from sheet "CDCM Forecast Data". Everything else is entered manually in this sheet.
CDCM Forecast Data	Contains some of the CDCM input data. All data are manually entered in this sheet.
Table 1	Contains details of allowed revenue forecasts. Mixture of manually entered data and calculations using these data. No data from other sheets.
Smoothed Input Details	Mixture of manually entered data and calculations using these data. For information only.
Mat of App	Contains some of the CDCM input data. Mixture of manually entered data and copies of these data (which can be overridden by manually entered data). No data from other sheets.

Sheet	Description and sources of data for this sheet
CDCM Volume Forecasts	Contains volume forecast data for CDCM table 1053. Mixture of manually entered data and calculations using these data. No data from other sheets.
CDCM Timebands	Contains timeband switching times as manually entered data. For information only.
(Y)	Contains CDCM input data for year Y. Populated with formulas drawing data from sheets CDCM Forecast Data, Table 1, Mat of App and CDCM Volume Forecasts, using the information on sheet Vlookup to map some of the data items.
(Y+1)	Contains CDCM input data for year Y+1. Populated with formulas drawing data from sheets CDCM Forecast Data, Table 1, Mat of App and CDCM Volume Forecasts, using the information on sheet Vlookup to map some of the data items.
(Y+2)	Contains CDCM input data for year Y+2. Populated with formulas drawing data from sheets CDCM Forecast Data, Table 1, Mat of App and CDCM Volume Forecasts, using the information on sheet Vlookup to map some of the data items.
(Y+3)	Contains CDCM input data for year Y+3. Populated with formulas drawing data from sheets CDCM Forecast Data, Table 1, Mat of App and CDCM Volume Forecasts, using the information on sheet Vlookup to map some of the data items.
(Y+4)	Contains CDCM input data for year Y+4. Populated with formulas drawing data from sheets CDCM Forecast Data, Table 1, Mat of App and CDCM Volume Forecasts, using the information on sheet Vlookup to map some of the data items.
Tariffs ARP	Contains tariffs for years Y, Y+1, Y+2, Y+3 and Y+4. This is populated from the Tariffs (2) sheet by a VBA macro. Press the button labelled "Press to update Tariffs and "Typical Bills"" on this sheet to run the VBA macro and update these data.
Typical Bill	Contains average revenue per MPAN for years Y, Y+1, Y+2, Y+3 and Y+4. This is populated from the Summary sheet by a VBA macro. Press the button labelled "Press to update Tariffs and "Typical Bills"" on the Tariffs ARP sheet to run the VBA macro and update these data.
Vlookup	This is a set of ancillary tables containing reference information for some data items. Not to be modified by users in normal circumstances.
Tariffs (2)	This contains the tariffs table (table 3701) of the embedded CDCM model. The data come from ordinary Excel formulas using the input data in the CDCM sheet.

Sheet	Description and sources of data for this sheet
Summary	This contains the summary tables (tables 3801 and 3802) of the embedded CDCM model. The data come from ordinary Excel formulas using the input data in the CDCM sheet.
CDCM	This contains the remainder of the embedded CDCM model. The input data are at the top with the same cell layout as on sheets (Y), (Y+1), (Y+2), (Y+3) and (Y+4). When operating the VBA macro that updates the Tariffs ARP and Typical Bill sheets, the data from each of sheets (Y), (Y+1), (Y+2), (Y+3) and (Y+4) are copied to the input data area of the embedded CDCM model in turn.

Pre-existing issues

7. The following pre-existing issues have not been addressed in this version:

(a) The Annual Review Pack does not support using different CDCM models for the different years covered.

(b) Cell locking is not used within the Annual Review Pack. It is not obvious on the face of the Annual Review Pack where the input data should go and which sheets should not be changed.

(c) It is hard work to copy input data that has been captured within a CDCM model into an Annual Review Pack.