

TUBA VERSION 1.8 RELEASE NOTES

TUBA 1.8 includes changes required by WebTag 3.5.6 and 3.3.5 (April 2011) which incorporates NATA Refresh recommendations. These include:

1. Changes to the economic parameters file:
 - New values for forecast growth in the working and non-working values of time (VALUE_OF_TIME_GROWTH table);
 - New coefficients for the new fuel consumption equation in WebTag (FUEL_CONSUMPTION table);
 - Updated values for the value of carbon (CARBON_VALUE_CHANGES table);
 - A new table to specifying breakpoints to allow benefits to be broken down by trip length and the size of time saving. The table has two rows specifying:
 - Distance breakpoints and
 - Time saving breakpoints
 - Updated petrol/diesel splits for LGV (FLEET_CHANGES table);
 - Updated fuel cost forecasts (FUEL_COST_CHANGES table);
 - Updated fuel efficiency forecasts (FUEL EFFICIENCY table);
2. In the scheme file:
 - TUBA will now allow a horizon year to be specified up to 2100.
 - The structure of the tables for the costs of delays during construction and maintenance (DO_MIN_DELAY_COSTS, DO_SOM_DELAY_COSTS) has been changed to show how the costs are split between business, commuting, other and freight for each year they occur and for each mode. It is no longer required to specify separate inputs for delays during construction and maintenance.
3. Changes to TUBA outputs:
 - Six new tables that provide the breakdown of benefits by time saving and a breakdown by distance:
 - NON_MONETISED_TIME_BENEFITS_BY_TIME_SAVING
 - MONETISED_TIME_BENEFITS_BY_TIME_SAVING
 - TOTAL_BENEFITS_BY_TIME_SAVING
 - NON_MONETISED_TIME_BENEFITS_BY_DISTANCE
 - MONETISED_TIME_BENEFITS_BY_DISTANCE
 - TOTAL_BENEFITS_BY_DISTANCE

The information can be used to analyse whether benefits are concentrated on short-distance trips or long-distance trips; and whether the scheme benefits are made up of short time savings or longer time savings.

NB: these tables are not output in the case of new modes or the use of intermediate points to deal with large cost changes.

- Changes to the PA and AMCB tables to reflect the new treatment of indirect taxation as set out in the new guidance.
- Warning messages that include an indication of the number of trips affected;
- A new table that gives carbon emissions by time period (CARBON_EMISSIONS_BY_TIME_PERIOD table).

TUBA 1.8 will not change economics files created for earlier versions of TUBA. If the standard economics file was used then users should replace this with the latest file. If the standard economics file was not used then the file will need to be modified manually to be consistent with the latest format and economics data.

Please contact TUBA technical support (tuba@mottmac.com) with any problems encountered. Further information can be found at <http://www.dft.gov.uk/tuba/>, the official TUBA website.

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