

Approach	JDemetra+ Interface (GUI)	Cruncher (via R)
Using previous year's seasonal factors (no calendar effect)	not run	not run
Using forecasted seasonal factors	not run	not run
Applying the current model (unchanged) adding the new raw points as AO*	Current adjustment (AO approach)*	current (n)
Applying the current model (unchanged) replacing forecasts by new raw points	Fixed model	fixed(f)
Regression variables, Arima orders and coefficients are unchanged, only regression coefficients are re-estimated	Estimate regression coefficients	fixedparameters (fp)
...previous + Arima model coefficients also re-estimated	+ Arima parameters	parameters (p)
...previous + outliers re-identified for the last yaer	+ Last outliers	lastoutliers (l)
...previous + outliers re-identified for the whole series	+ All outliers	outliers (o)
...previous + orders of the Arima model are re-identified	+ Arima model	stochastic (s)
All the parameters are re-identified and re-estimated (note : any user defined variable or constraint is kept)	Concurrent	complete/concurrent (c)

* from version 2.2.3

Model parameters: calendar regressors, outliers, other regression variables and orders of the ARIMA mode

Model Identification: selection of the relevant variables and Arima orders (also variables)

Estimation: coefficients estimaton for all regression variables and/or arima orders

If the model parameters are re-identified or when coefficients are re-estimated the linearized series will change

When new data points are introduced (even without any model change) the linearized series will change as well (replacing forecasts)

Impact on the decomposition step:

X11

- will start from the linearized series all over again (filters length can change, in practice only with bigger revisions)
- the arima model has no impact per se, only the values of the linearized series

SEATS

- as soon as the arima model changes the decomposition filters will change