

15.4 **Table: GENCONDATA** Description of a constraint equation, Static RHS, mathematical operator

15.4.1 GENCONDATA

Name	GENCONDATA
Comment	GENCONDATA sets out the generic constraints contained within a generic constraint set invoked in PASA, predispach and dispatch. Fields enable selective application of invoked constraints in the Dispatch, Predispach, ST PASA or MT PASA processes.

15.4.2 Description

GENCONDATA is a public data, and is available to all participants.

Source

GENCONDATA updates as constraint details are updated by AEMO.

Note

The following fields enable selective application of invoked constraints in the Dispatch, Predispach, ST PASA or MT PASA processes:

- DISPATCH
- PREDISPATCH
- STPASA
- MTPASA

The flag P5MIN_SCOPE_OVERRIDE indicates for each constraint whether 5MPD makes use of the default Dispatch (P5MIN_SCOPE_OVERRIDE = NULL) or Pre-dispatch (P5MIN_SCOPE_OVERRIDE = 'PD') style RHS definition. GENERICCONSTRAINTRHS stores generic constraint RHS definitions. Constraints without records in GENERICCONSTRAINTRHS only make use of the static RHS defined in the CONSTRAINTVALUE column in GENCONDATA .

The default value for the P5MIN_SCOPE_OVERRIDE column is NULL, so constraints existing before implementing the column use the DISPATCH RHS definition by default, as was the case before the implementation of the change.

15.4.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

15.4.4 Primary Key Columns

Name
EFFECTIVEDATE
GENCONID
VERSIONNO

15.4.5 Index Columns

Name
LASTCHANGED

15.4.6 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	datetime	X	Effective date of this constraint
VERSIONNO	numeric(3,0)	X	Version with respect to the effective date
GENCONID	varchar(20)	X	Unique ID for the constraint
CONSTRAINTTYPE	varchar(2)		The logical operator (=, >=, <=)
CONSTRAINTVALUE	numeric(16,6)		the RHS value used if there is no dynamic RHS defined in GenericConstraintRHS
DESCRIPTION	varchar(256)		Detail of the plant that is not in service
STATUS	varchar(8)		Not used
GENERICCONSTRAINTWEIGHT	numeric(16,6)		The constraint violation penalty factor
AUTHORISEDDATE	datetime		Date record authorised
AUTHORISEDBY	varchar(15)		User authorising record
DYNAMICRHS	numeric(15,5)		Not used
LASTCHANGED	datetime		Last date and time record changed
DISPATCH	varchar(1)		Flag: constraint RHS used for Dispatch? 1-used, 0-not used
PREDISPATCH	varchar(1)		Flag to indicate if the constraint RHS is to be used for PreDispatch, 1-used, 0-not used
STPASA	varchar(1)		Flag to indicate if the constraint RHS is to be used for ST PASA, 1-used, 0-not used
MTPASA	varchar(1)		Flag to indicate if the constraint RHS is to be used for MT PASA, 1-used, 0-not used
IMPACT	varchar(64)		The device(s) that is affected by the constraint e.g. Interconnector, Generator(s) or Cutset
SOURCE	varchar(128)		The source of the constraint formulation
LIMITTYPE	varchar(64)		The limit type of the constraint e.g. Transient Stability, Voltage Stability
REASON	varchar(256)		The contingency or reason for the constraint
MODIFICATIONS	varchar(256)		Details of the changes made to this version of the constraint
ADDITIONALNOTES	varchar(256)		Extra notes on the constraint
P5MIN_SCOPE_OVERRIDE	varchar(2)		Extra notes on the constraint: NULL = Dispatch RHS applied in 5MPD, PD = PreDispatch RHS applied in 5MPD
LRC	varchar(1)		Flag to indicate if PASA LRC run uses the constraint; 1-used, 0-not used
LOR	varchar(1)		Flag to indicate if PASA LOR run uses the constraint; 1-used, 0-not used
FORCE_SCADA	numeric(1,0)		Flags Constraints for which NEMDE must use "InitialMW" values instead of "WhatOfInitialMW" for Intervention Pricing runs