

**Electricity Industry Participation (HVDC Link Pole 3 Standing
Data) Code Amendment 2012**

Pursuant to section 38 of the Electricity Industry Act 2010, I make the following amendments to the Electricity Industry Participation Code 2010.

At Wellington on the 25th day of September 2012



Dr Thomas Brent Layton
Chairperson
Electricity Authority



Certified in order for signature:



Andrew Springett
Senior Legal Counsel
Electricity Authority



Susie Kilty
Partner
Buddle Findlay

24 September 2012

24 September 2012

Contents

	Page
1 Title	2
2 Commencement	2
3 Code amended	2
4 Clause 13.30 replaced (Standing data on HVDC capability to be provided to system operator)	2
13.30 Standing data on HVDC capability to be provided to system operator	2
5 Clause 13.58A amended (Inputs for price-responsive schedule and non-response schedule)	3
6 Schedule 13.3 amended (Schedules of Prices and Quantities)	3

Amendment

1 Title

This is the Electricity Industry Participation (HVDC Link Pole 3 Standing Data) Code Amendment 2012.

2 Commencement and expiry

This amendment comes into force on 1 November 2012.

3 Code amended

This amendment amends the Electricity Industry Participation Code 2010.

4 Clause 13.30 replaced

Replace clause 13.30 with:

"13.30 Standing data on HVDC capability to be provided to system operator"

"(1) In addition to the **asset owner** obligations to provide information under clauses 2(5) and (6), and 3(1) of **Technical Code A** of Schedule 8.3, the **HVDC owner** must provide standing data on the capability of the **HVDC link** to the **system operator** consistent with the **configuration** of the **HVDC link**.

"(2) The data provided under subclause (1) must include—

- "(a) the HVDC transmission lines and system capacity, including reserve capacity; and
- "(b) **HVDC link** capacity, including limits of each HVDC transmission line of the HVDC transmission system; and
- "(c) HVDC system loss characteristics including transmission loss functions for each transmission line of the HVDC transmission system; and
- "(d) in relation to Pole 3 of the **HVDC link**—
 - "(i) if the **HVDC owner** imposes a limit on transfer direction, the direction of that transfer limit (northward or southward); and
 - "(ii) if the **HVDC owner** imposes a minimum transfer limit, that minimum transfer limit (in **MW**); and
 - "(iii) if the **HVDC owner** imposes a maximum transfer limit, that maximum transfer limit (in **MW**).

"(3) Subclause (2)(d) applies only if—

- "(a) the **HVDC owner** is operating the **HVDC link** in accordance with—
 - "(i) a commissioning plan agreed with the **system operator** under clause 2(6) to (9) of **Technical Code A** of Schedule 8.3; or

- "(ii) a test plan provided to the **system operator** under clause 2(6) to (9) of **Technical Code A** of Schedule 8.3; and
- "(b) the **configuration** of the **HVDC link** is—
 - "(i) Pole 3 and Pole 2 bipole **round power**; or
 - "(ii) Pole 3 and Pole 2 bipole not **round power**."

5 Clause 13.58A amended (Inputs for price-responsive schedule and non-response schedule)

- (1) In clause 13.58A(1)(e), replace subparagraph (ii) with:
 - "(ii) the capability of the **HVDC link** including its **configuration**, capacity, **losses**, the direction of any transfer limit, and any minimum or maximum transfer limits; and"
- (2) In clause 13.58A(2)(d), replace subparagraph (ii) with:
 - "(ii) the capability of the **HVDC link** including its **configuration**, capacity, **losses**, the direction of any transfer limit, and any minimum or maximum transfer limits; and"

6 Schedule 13.3 amended (Schedules of Prices and Quantities)

- (1) In Schedule 13.3, clause 7(g), replace subparagraph (ii) with:
 - "(ii) the capability of the **HVDC link** including its **configuration**, capacity, **losses**, the direction of any transfer limit, and any minimum or maximum transfer limits; and"
- (2) In Schedule 13.3, clause 15(d), replace subparagraph (ii) with:
 - "(ii) the capability of the **HVDC link** including its **configuration**, capacity, **losses**, the direction of any transfer limit, and any minimum or maximum transfer limits, weighted by time for any changes within the **trading period** (clause 13.30); and"

Explanatory Note

This note is not part of the Code amendment, but is intended to indicate its general effect.

This amendment to the Electricity Industry Participation Code 2010 comes into effect on 1 November 2012. The amendment provides for bipole configurations to be modelled in the market systems during the commissioning of Pole 3.

Date of notification in the *Gazette*: 27 September 2012