HKID	Modification Category	Red Line Version Text Deleted text in ~~strike-through red font~~ and new text highlighted in blue font	Green Line Version Text	Status
91_V14.2_PC.A2.2.1	Defined terms should appear bolded and capitalised	PC.A2.2.1 Provide a 1:50,000 "Discovery Series" Ordnance Survey map, with the location of the facility clearly marked with an "X". In addition, please specify the Ordnance Survey Grid Co-ordinates of the electrical ~~connection point~~ **Connection Point**. See Figure 1 for an example of how to correctly specify the grid co-ordinates.	PC.A2.2.1 Provide a 1:50,000 "Discovery Series" Ordnance Survey map, with the location of the facility clearly marked with an "X". In addition, please specify the Ordnance Survey Grid Co-ordinates of the electrical **Connection Point**. See Figure 1 for an example of how to correctly specify the grid co-ordinates.	Modification under review by GCRP members (26/03/2025)
92_V14.2_PC.A2.2.2	Defined terms should appear bolded and capitalised	PC.A2.2.2 Provide a plan of the site (1:200 or 1:500) of the proposed facility, indicating the proposed location for a ~~transmission station~~ **Transmission Station** compound, location of the ~~connection point~~ **Connection Point**, ~~generators~~ **Generators**, transformers, converter stations, site buildings etc. The plan is to be submitted in hard copy format. A digitised format may be required and should also be provided if available.	PC.A2.2.2 Provide a plan of the site (1:200 or 1:500) of the proposed facility, indicating the proposed location for a **Transmission Station** compound, location of the **Connection Point**, **Generators**, transformers, converter stations, site buildings etc. The plan is to be submitted in hard copy format. A digitised format may be required and should also be provided if available.	Modification under review by GCRP members (26/03/2025)
93_V14.2_PC.A3.4	Defined terms should appear bolded and capitalised	[...] Contribution from **User** network to a three-phase short circuit at ~~connection point~~ **Connection Point**. Connection details of all 110 kV-connected transformers, shunt capacitors, shunt reactors etc. (star, delta, zigzag, etc.) Electrical characteristics of all 110kV circuits and equipment at a ~~voltage~~ **Voltage** lower than 110 kV that may form a closed tie between two ~~connection points~~ **Connection Points** on the **Transmission System.**	PC.A3.4 [...] Contribution from **User** network to a three-phase short circuit at **Connection Point**. Connection details of all 110 kV-connected transformers, shunt capacitors, shunt reactors etc. (star, delta, zigzag, etc.) Electrical characteristics of all 110kV circuits and equipment at a **Voltage** lower than 110 kV that may form a closed tie between two **Connection Points** on the **Transmission System**.	Modification under review by GCRP members (26/03/2025)
94_V14.2_PC.A6.1	Defined terms should appear bolded and capitalised	(ii)General Details (a)single line diagram for each converter station; (b)proposed **Transmission** ~~connection point~~ **Connection Point**; (c) **Control Facility** location; (d) **Interconnector Operator** details.	(ii)General Details (a)single line diagram for each converter station; (b)proposed **Transmission** ~~connection point~~ **Connection Point**; (c) **Control Facility** location; (d) **Interconnector Operator** details.	Modification under review by GCRP members (26/03/2025)
95_V14.2_CC.7.3.1.1	Defined terms should appear bolded and capitalised	(x) Remain synchronised to the **Transmission System** and operate within the ranges of the **Transmission System Voltage** at the ~~connection point~~ **Connection Point**, for an unlimited time period, as specified below: [...]	(x) Remain synchronised to the **Transmission System** and operate within the ranges of the **Transmission System Voltage** at the **Connection Point**, for an unlimited time period, as specified below: [...]	Modification under review by GCRP members (26/03/2025)
96_V14.2_CC.7.4.2.2	Defined terms should appear bolded and capitalised	CC.7.4.2.2 Remain synchronised to the **Transmission System** and operate within the ranges of the **Transmission System Voltage** at the ~~connection point~~ **Connection Point**, for an unlimited time period, as specified below: [...]	CC.7.4.2.2 Remain synchronised to the **Transmission System** and operate within the ranges of the **Transmission System Voltage** at the **Connection Point**, for an unlimited time period, as specified below: [...]	Modification under review by GCRP members (26/03/2025)
97_V14.2_CC.7.5.1.1	Defined terms should appear bolded and capitalised	(v) **Interconnector Converter Stations** shall remain synchronised to the **Transmission System** and operate within the ranges of the **Transmission System Voltage** at the ~~connection point~~ **Connection Point**, for an unlimited time period, as specified below: [...]	(v) **Interconnector Converter** Stations shall remain synchronised to the **Transmission System** and operate within the ranges of the **Transmission System Voltage** at the **Connection Point**, for an unlimited time period, as specified below: [...]	Modification under review by GCRP members (26/03/2025)
98_V14.2_CC.7.5.10	Defined terms should appear bolded and capitalised	(d) An **Interconnector Converter Station** connecting to the **Transmission System** shall be capable of providing **Reactive Power** as per the following requirement at its maximum Active Power transmission capacity at (**Active Power** less than or equal to **Registered Capacity** (Pmax)) at the **Connection Point**. The **Reactive Power** variation by the **Reactive Power** control mode of the **Interconnector Converter Station** shall not result in a **Voltage** step exceeding 0.03 pu at the ~~connection point~~ **Connection Point**.	(d) An **Interconnector Converter Station** connecting to the Transmission System shall be capable of providing **Reactive Power** as per the following requirement at its maximum Active Power transmission capacity at (**Active Power** less than or equal to **Registered Capacity** (Pmax)) at the **Connection Point**. The **Reactive Power** variation by the **Reactive Power** control mode of the **Interconnector Converter Station** shall not result in a **Voltage** step exceeding 0.03 pu at the **Connection Point**.	Modification under review by GCRP members (26/03/2025)

99_V14.2_PPM1.6.3.7	Defined terms should appear bolded and capitalised	PPM1.6.3.7 For DC connected **Controllable PPMs**, the **TSO** may specify supplementary reactive power to be provided if the ~~connection point~~ **Connection Point** of a DC connected **Controllable PPM** is neither located at the high **Voltage** terminals of the step-up transformer to the **Voltage** level of the ~~connection point~~ **Connection Point** not at the alternator terminals, if no step-up transformer exists. This supplementary reactive power shall compensate the reactive power exchange of the high **Voltage** line or cable between the high **Voltage** terminals of the step-up transformer of the DC connected **Controllable PPM** or its alternator terminals, if no step-up transformer exists, and the ~~connection point~~ **Connection Point** and shall be provided by the responsible owner of that line or cable.	PPM1.6.3.7 For DC connected **Controllable PPMs**, the **TSO** may specify supplementary reactive power to be provided if the **Connection Point** of a DC connected **Controllable PPM** is neither located at the high **Voltage** terminals of the step-up transformer to the **Voltage** level of the **Connection Point** not at the alternator terminals, if no step-up transformer exists. This supplementary reactive power shall compensate the reactive power exchange of the high **Voltage** line or cable between the high **Voltage** terminals of the step-up transformer of the DC connected **Controllable PPM** or its alternator terminals, if no step-up transformer exists, and the **Connection Point** and shall be provided by the responsible owner of that line or cable.	Modification under review by GCRP members (26/03/2025)
100_V14.2_CC.7.4.2.4.1	Defined terms should appear bolded and capitalised	CC.7.4.2.4.1 **Demand Facilities** without on-site ~~generation~~ **Generation** shall be capable of maintaining their steady-state operation at their **Connection Point** within a **Reactive Power** range of 0 to 0.48 [Qmax/PMIC] equal to a ~~power factor~~ **Power Factor** of 1 to 0.9 lagging. **Demand Facilities** with on-site ~~generation~~ **Generation** shall be capable of maintaining their steady state operation at their **Connection Point** within a **Reactive Power** range of -0.48 [Qmin/max{PMEC,PMIC}] to 0.48 [Qmax/PMEC] which is equal to a ~~power factor~~ **Power Factor** of 0.9 lagging to 0.9 leading.	CC.7.4.2.4.1 **Demand Facilities** without on-site **Generation** shall be capable of maintaining their steady-state operation at their **Connection Point** within a **Reactive Power** range of 0 to 0.48 [Qmax/PMIC] equal to a **Power Factor** of 1 to 0.9 lagging. **Demand Facilities** with on-site **Generation** shall be capable of maintaining their steady state operation at their **Connection Point** within a **Reactive Power** range of -0.48 [Qmin/max{PMEC,PMIC}] to 0.48 [Qmax/PMEC] which is equal to a **Power Factor** of 0.9 lagging to 0.9 leading.	Modification under review by GCRP members (26/03/2025)
101_V14.2_CC.7.4.2.4.2	Defined terms should appear bolded and capitalised	CC.7.4.2.4.2 The **Distribution System** shall be capable of maintaining steady-state operation at the **Connection Point** within a **Reactive Power** range of -0.48 Qmin/max{PMEC,PMIC} during **Reactive Power** import/consumption, and 0.48 Qmax/PMEC during **Reactive Power** export/production equal to a ~~power factor~~ **Power Factor** of 0.9 lagging to 0.9 leading, except in situations where either technical or financial system benefits are proved by the **TSO** and the **DSO** through joint analysis. [...]	CC.7.4.2.4.2 The **Distribution System** shall be capable of maintaining steady-state operation at the **Connection Point** within a **Reactive Power** range of -0.48 Qmin/max{PMEC,PMIC} during **Reactive Power** import/consumption, and 0.48 Qmax/PMEC during **Reactive Power**export/production equal to a **Power Factor** of 0.9 lagging to 0.9 leading, except in situations where either technical or financial system benefits are proved by the **TSO** and the **DSO** through joint analysis. [...]	Modification under review by GCRP members (26/03/2025)
102_V14.2_CC.10.13.2	Defined terms should appear bolded and capitalised	CC.10.13.2 The aggregate ~~power factor~~ **Power Factor** for a **Demand Customer** is calculated in accordance with the following formula: [...] where: APF is the Aggregate ~~Power Factor~~ **Power Factor** for the **Demand Customer** [...]	CC.10.13.2 The aggregate **Power Factor** for a **Demand Customer** is calculated in accordance with the following formula: [...] where: APF is the Aggregate **Power Factor** for the **Demand Customer** [...]	Modification under review by GCRP members (26/03/2025)
103_V14.2_CC.10.13.3	Defined terms should appear bolded and capitalised	CC.10.13.3 A **Demand Customer** shall ensure that at any load above 50% of **Maximum Import Capacity** the aggregate ~~power factor~~ **Power Factor** as determined at the **Connection Point** in any half-hour period shall be within the range 0.90 lagging to unity.	CC.10.13.3 A **Demand Customer** shall ensure that at any load above 50% of **Maximum Import Capacity** the aggregate **Power Factor** as determined at the **Connection Point** in any half-hour period shall be within the range 0.90 lagging to unity.	Modification under review by GCRP members (26/03/2025)
104_V14.2_OC.4.4.1.3	Defined terms should appear bolded and capitalised	c) Demand ~~power factor~~ **Power Factor** correction;	c) Demand **Power Factor** correction;	Modification under review by GCRP members (26/03/2025)
105_V14.2PPM1.6.3.1	Defined terms should appear bolded and capitalised	[...] Referring to Figure PPM 1.6.3.1.a: Point A represents the minimum Mvar absorption capability of the **Controllable PPM** at 100% **Registered Capacity** and is equivalent to 0.95 ~~power factor~~ **Power Factor** leading; Point B represents the minimum Mvar production capability of the **Controllable PPM** at 100% **Registered Capacity** and is equivalent to 0.95 ~~power factor~~ **Power Factor** lagging; [...]	[...] Referring to Figure PPM 1.6.3.1.a: Point A represents the minimum Mvar absorption capability of the **Controllable PPM** at 100% **Registered Capacity** and is equivalent to 0.95 **Power Factor** leading; Point B represents the minimum Mvar production capability of the **Controllable PPM** at 100% **Registered Capacity** and is equivalent to 0.95 **Power Factor** lagging; [...]	Modification under review by GCRP members (26/03/2025)

106_V14.2_PPM1.6.3.1	Defined terms should appear bolded and capitalised	[...] Referring to Figure PPM 1.6.3.1.b Point A represents the minimum Mvar absorption capability of the **Controllable PPM** at 100% **Registered Capacity** and is equivalent to 0.95 ~~power factor~~ **Power Factor** leading [**Registered Capacity** and a Q/P ratio of -0.33 is -0.95 pf]; Point B represents the minimum Mvar production capability of the **Controllable PPM** at 100% **Registered Capacity** and is equivalent to 0.95 ~~power factor~~ **Power Factor** lagging [**Registered Capacity** and Q/P ratio of 0.33 is 0.95 pf]; [...]	[...] Referring to Figure PPM 1.6.3.1.b Point A represents the minimum Mvar absorption capability of the **Controllable PPM** at 100% **Registered Capacity** and is equivalent to 0.95 **Power Factor** leading [**Registered Capacity** and a Q/P ratio of -0.33 is -0.95 pf]; Point B represents the minimum Mvar production capability of the **Controllable PPM** at 100% **Registered Capacity** and is equivalent to 0.95 **Power Factor** lagging [**Registered Capacity** and Q/P ratio of 0.33 is 0.95 pf]; [...]	Modification under review by GCRP members (26/03/2025)
107_V14.2_CC.7.3.1.1	Defined terms should appear bolded and capitalised	(y) Remain synchronised to the **Transmission System** and continue to operate stably during and following any **Fault Disturbance** anywhere on the **Power System** which could result in **Voltage Dips** at the **Connection Point**. The ~~voltage~~ **Voltage**-against-time profile specifies the required capability as a function of ~~voltage~~ **Voltage** and **Fault Ride-Through Time** at the **Connection Point** before, during and after the **Fault Disturbance**. That capability shall be in accordance with the ~~voltage~~ **Voltage**-against-time profile as specified in *Figure CC.7.3.1.1.y.*	(y) Remain synchronised to the **Transmission System** and continue to operate stably during and following any **Fault Disturbance** anywhere on the **Power System** which could result in **Voltage Dips** at the **Connection Point**. The **Voltage**-against-time profile specifies the required capability as a function of **Voltage** and **Fault Ride-Through Time** at the **Connection Point** before, during and after the **Fault Disturbance**. That capability shall be in accordance with the voltage-against-time profile as specified in *Figure CC.7.3.1.1.y.*	Modification under review by GCRP members (26/03/2025)
108_V14.2_CC.7.4.2.4.1.	Defined terms should appear bolded and capitalised	CC.7.4.2.4.1. The **TSO** may require a **Closed Distribution System or Distribution System** to have the capability at the **Connection Point** to not export **Reactive Power** (at reference 1 p.u. ~~voltage~~ **Voltage**) at an **Active Power** flow of less than 25 % of the **Maximum Import Capacity**. The request will be justified through a joint analysis with the **Closed Distribution System** or the **Distribution System Operator** and the **TSO**. If the requirement is not justified based on the joint analysis, the **TSO** and the **Closed Distribution System** or **Distribution System Operator** shall agree on necessary requirements according to the outcomes of the joint analysis.	CC.7.4.2.4.1. The **TSO** may require a **Closed Distribution System or Distribution System** to have the capability at the **Connection Point** to not export **Reactive Power** (at reference 1 p.u. **Voltage**) at an **Active Power** flow of less than 25 % of the **Maximum Import Capacity**. The request will be justified through a joint analysis with the **Closed Distribution System** or the **Distribution System Operator** and the **TSO**. If the requirement is not justified based on the joint analysis, the **TSO** and the **Closed Distribution System** or **Distribution System Operator** shall agree on necessary requirements according to the outcomes of the joint analysis.	Modification under review by GCRP members (26/03/2025)
109_V14.2_CC.7.5.9.5(a)	Defined terms should appear bolded and capitalised	[...] Subject to agreement with **TSO**, the **Voltage Regulation Set-point** may be operated with or without a deadband selectable in a range from zero to ±5% of reference 1 p.u. **Transmission System** ~~Voltage~~ **Voltage**, with continuous setting. **Voltage Regulation Set-point** shall include the capability to change **Reactive Power** output based on a combination of a modified set-point ~~Voltage~~ **Voltage** and an additional instructed **Reactive Power** component. The **TSO** will specify a slope with a range and step on a site-specific basis.	[...] Subject to agreement with **TSO**, the **Voltage Regulation Set-point** may be operated with or without a deadband selectable in a range from zero to ±5% of reference 1 p.u. **Transmission System Voltage**, with continuous setting. **Voltage Regulation Set-point** shall include the capability to change **Reactive Power** output based on a combination of a modified set-point **Voltage** and an additional instructed **Reactive Power** component. The **TSO** will specify a slope with a range and step on a site-specific basis.	Modification under review by GCRP members (26/03/2025)
110_14.2_CC.7.5.12.1	Defined terms should appear bolded and capitalised	CC.7.5.12.1 **Interconnector Converter Stations** connected to the **Transmission System** shall be capable of staying connected to the **Transmission System** and continuing to operate stably during symmetric and asymmetric **Voltage Dips**. The ~~voltage~~ **Voltage**-against-time profile specifies the required capability for the minimum **Voltage** and **Fault Ride-Through Time** at the **Connection Point** before, during and after the **Voltage Dip**. That capability shall be in accordance with the ~~voltage~~ **Voltage**-against-time profile as specified in Figure CC.7.5.12.	CC.7.5.12.1 **Interconnector Converter Stations** connected to the **Transmission System** shall be capable of staying connected to the **Transmission System** and continuing to operate stably during symmetric and asymmetric **Voltage Dips**. The **Voltage**-against-time profile specifies the required capability for the minimum **Voltage** and **Fault Ride-Through Time** at the **Connection Point** before, during and after the **Voltage Dip**. That capability shall be in accordance with the **Voltage**-against-time profile as specified in Figure CC.7.5.12.	Modification under review by GCRP members (26/03/2025)
111_14.2_CC.8.5.2	Defined terms should appear bolded and capitalised	CC.8.5.2 The 66 kV system is an impedance earthed system, and as a result, the 66 kV insulation systems must be fully rated for the maximum line to line ~~voltage~~ **Voltage**.	CC.8.5.2 The 66 kV system is an impedance earthed system, and as a result, the 66 kV insulation systems must be fully rated for the maximum line to line **Voltage**.	Modification under review by GCRP members (26/03/2025)
112_14.2_OC.4.4.2.2	Defined terms should appear bolded and capitalised	(a) maintain ~~voltage~~ **Voltage** stability of the **Transmission System;**	(a) maintain **Voltage** stability of the **Transmission System;**	Modification under review by GCRP members (26/03/2025)

113_V14.2_OC.4.4.4.1	Defined terms should appear bolded and capitalised	OC.4.4.4.1 The **TSO** shall control system ~~voltage~~ **Voltage** in order to minimise system losses and cost of use of **Ancillary Services**.	OC.4.4.4.1 The **TSO** shall control system **Voltage** in order to minimise system losses and cost of use of **Ancillary Services**.	Modification under review by GCRP members (26/03/2025)
114_V14.2_OC.4.4.5	Defined terms should appear bolded and capitalised	OC.4.4.5 Methods Utilised in Exercising ~~Voltage~~ **Voltage** Control	OC.4.4. Methods Utilised in Exercising **Voltage** Control	Modification under review by GCRP members (26/03/2025)
115_V14.2_OC.4.4.5.4	Defined terms should appear bolded and capitalised	OC.4.4.5.4 Each **Interconnector** shall control the ~~voltage~~ **Voltage** at the **Grid Connection Point** by means of a suitable continuously acting **AVR.** The ~~voltage control~~ **Voltage Control** mode shall be as agreed under the **Interconnector Operating Protocol.** […]	OC.4.4.5.4 Each **Interconnector** shall control the **Voltage** at the **Grid Connection Point** by means of a suitable continuously acting **AVR.** The **Voltage Control** mode shall be as agreed under the **Interconnector Operating Protocol.** […]	Modification under review by GCRP members (26/03/2025)
116_V14.2_OC.5.5.7	Defined terms should appear bolded and capitalised	[…] (iii) ~~Voltage~~ **Voltage** lock-out: blocking of the functional capability shall be possible when the ~~voltage~~ **Voltage** is within a range of 30 to 90 % of reference 1 p.u. ~~voltage~~ **Voltage**; and (iv) Provide the direction of ~~active power~~ **Active Power** flow at the point of disconnection. The AC ~~voltage~~ **Voltage** supply used in providing these automatic low **Frequency Disconnection** functional capabilities, shall be measured from the at the **Connection Point**.	[…] (iii) **Voltage** lock-out: blocking of the functional capability shall be possible when the **Voltage** is within a range of 30 to 90 % of reference 1 p.u. **Voltage**; and (iv) Provide the direction of **Active Power** flow at the point of disconnection. The AC **Voltage** supply used in providing these automatic low **Frequency Disconnection** functional capabilities, shall be measured from the at the **Connection Point**.	Modification under review by GCRP members (26/03/2025)
117_V14.2_OC.5.7.4	Defined terms should appear bolded and capitalised	OC.5.7.4 The **TSO** will specify the functional capabilities for low ~~voltage~~ **Voltage** demand disconnection, where the **TSO** identifies the need, in co-ordination with **Distribution Facilities** and **Demand Facilities** on a site specific basis, and will include as a minimum: (i) monitoring ~~voltage~~ **Voltage** by measuring all three phases; and (ii) blocking of the relays operation based on direction of either **Active Power** or **Reactive Power** flow.	OC.5.7.4 The **TSO** will specify the functional capabilities for low **Voltage** demand disconnection, where the **TSO** identifies the need, in co-ordination with **Distribution Facilities** and **Demand Facilities** on a site specific basis, and will include as a minimum: (i) monitoring **Voltage** by measuring all three phases; and (ii) blocking of the relays operation based on direction of either **Active Power** or **Reactive Power** flow.	Modification under review by GCRP members (26/03/2025)
118_V14.2_OC.5.7.5	Defined terms should appear bolded and capitalised	OC.5.7.5 Low ~~voltage~~ **Voltage** demand disconnection shall be implemented automatically or manually.	OC.5.7.5 Low **Voltage** demand disconnection shall be implemented automatically or manually.	Modification under review by GCRP members (26/03/2025)
119_V14.2_SDC2.4.2.4(b)	Defined terms should appear bolded and capitalised	(iii)In the event of a sudden change in **System** ~~voltage~~ **Voltage** a **Generator** must not take any action in respect of any of its **CDGUs** to override automatic Mvar response unless instructed otherwise by the **TSO** or unless immediate action is necessary to comply with stability limits. […]	(iii)In the event of a sudden change in **System Voltage** a **Generator** must not take any action in respect of any of its **CDGUs** to override automatic Mvar response unless instructed otherwise by the **TSO** or unless immediate action is necessary to comply with stability limits. […]	Modification under review by GCRP members (26/03/2025)
120_V14.2_PPM1.3.2	Defined terms should appear bolded and capitalised	(e)The **TSO** may seek to reduce the magnitude of the dynamic reactive response of the **Controllable PPM** if it is found to cause over-~~voltages~~ **Voltages** on the **Transmission System**.	(e)The **TSO** may seek to reduce the magnitude of the dynamic reactive response of the **Controllable PPM** if it is found to cause over **Voltages** on the **Transmission System**.	Modification under review by GCRP members (26/03/2025)