

OCP Ready Colo Facility Site Assessment		PDG SG 1		
Self Assessment Status:		COMPLETE-MEETS REQUIREMENTS		
Data Center Location Name		PDG SG 1		
Data Center Location Address		7000 Ang Mo Kio Avenue 5, 569877		
Site Description: IT Technical Space (White Space) Area		~6,500 sqm		
Site Description: Critical IT Power		13MW		
Site Description: Network Provider Availability		Singtel, Starhub, Sptel, PCCW Console Connect, Colt, Xenith IG		
Site Description: Facility Features		office block, loading bay, MMRs and standalone security office and monitoring		
Site Description: Other Services		BCP space, lounge, meeting spaces and offices		
Date Original Assessment is Completed		5/25/2021		
Re-Assessment Date:		11/28/2023		
REQUIREMENTS - Attribute (Must have an Optimum or Acceptable result)	Parameter	Result	Notes	
ACCESS				
Building Access	1. Loading dock with lift or leveler	Optimum		
Delivery pathway, Loading dock to Goods in	1. ≥2.7m (108in) H x ≥2.4m (96in) W x ≥2.4m (96in) D unobstructed access and threshold free	Optimum		
Delivery pathway, Goods in to White space	1. ≥2.4m (96in) H x ≥1.8m (72in) W unobstructed access and threshold free	Optimum		
Corridor floor rolling load	1. ≥680kg (1500lb) (6.67kN)	Optimum		
Unboxing/pre-staging/storage area floor uniform load	1. ≥1221kg/m2 (250lb/ft2) (11.97kN/m2)	Optimum		
Unboxing/pre-staging/storage area floor concentrated load	1. ≥680kg (1500lb) (6.67kN)	Optimum		
RAMPS				
Gradient	1. ≤1:12	Optimum		
Width	1. ≥1.5m (60in)	Optimum		
Landing area	1. ≥1.5m x 1.5m (60in x 60in)	Optimum		
Railings	1. Not Applicable - No Railings Required	Optimum		
LIFTS / ELEVATORS				
Weight loading	1. Not Applicable - No Lift/Elevator Required	Optimum		
Door height	1. Not Applicable - No Lift/Elevator Required	Optimum		
Width	1. Not Applicable - No Lift/Elevator Required	Optimum		
Depth	1. Not Applicable - No Lift/Elevator Required	Optimum		
IT TECHNICAL SPACE (WHITE SPACE)				
Floor rolling load	1. ≥680kg (1500lb) (6.67kN)	Optimum		
Floor uniform load	1. ≥1221kg/m2 (250lb/ft2) (11.97kN/m2)	Optimum		
Floor concentrated load	1. ≥680kg (1500lb) (6.67kN)	Optimum		
Finished floor to ceiling height	1. ≥4.5m (180in)	Optimum		
Access floor clearance	1. ≥900mm (36in) (if used for cooling)	Optimum		
ELECTRICAL				
Number of independent circuits to the rack	1. 2N (A+B)	Optimum		
Maximum circuit capacity	1. 3ϕ 32A/230V	Optimum		
Circuit voltage	1. 400/230 VAC nominal	Optimum		
Circuit frequency	1. 47-63 Hz	Optimum		
Power receptacle / WIP Type	2. IEC-60309 516R6W	Acceptable		
Circuit receptacle location	2. Underfloor	Acceptable		
Upstream UPS options	1. UPS and non UPS feeds available	Optimum		
Rack-based batteries permitted	1. Allowed	Optimum		
Generator load acceptance time	1. <60 seconds	Optimum		
COOLING				
Rack airflow direction	1. Front to Back	Optimum		
Air containment methods	2. Hot/Cold aisle containment for all cabinets in white space	Acceptable		
Maximum rack density	1. ≥12kw	Optimum		

Minimum cold aisle width	1. ≥1500mm (60in)	Optimum	
Minimum free width cold aisle (Inside cage)	1. ≥1200mm (48in)	Optimum	
Minimum hot aisle width	1. ≥1200mm (48in)	Optimum	
Inlet air conditions	2. ASHARE Recommended	Acceptable	
Air quality	1. EN 779 G4 and F7 filtering & Gas particulate monitoring to the ANSI/ISA 74.04-1985 G severity levels	Optimum	
Temperature rise	1. ≥12 Deg C DeltaT	Optimum	
Cabinet blanking of open space	1. Mandatory	Optimum	
CABLING			
Cabling infrastructure pathways	1. Top and Front of rack fed	Optimum	
Overhead Network Infrastructure containment levels	1. 3 Levels (Intra-Pod cabling; Inter-Pod cabling; OOB cabling)	Optimum	
Fibre Type (if installed)	2. Installed Per Customer Requirements	Acceptable	
Fibre connection presentation (if installed)	2. Installed Per Customer Requirements	Acceptable	
CONSIDERATIONS (For information only)	Parameter	Result	Notes
SERVICE			
Replacement PSU Modules	1. In stock onsite	Optimum	PDG can replace modules via remote hands if they are stored onsite
Replacement BBU Modules	1. In stock onsite	Optimum	PDG can replace modules via remote hands if they are stored onsite
Option to monitor PSUs and BBUs	1. Yes	Optimum	
Remote hands for PSU and BBU replacement or expansion	1. Yes	Optimum	
Remote hands for OCP IT hardware replacement or expansion	1. Yes	Optimum	
EFFICIENCY			
Site Operations Standards	2. Other (Notes required)	Acceptable	TIMS level 4
Site PUE Monitoring	1. Continuously monitored	Optimum	
Site Design PUE	2. <1.5	Acceptable	
Site Annualized PUE Current Achievement	2. Other (Notes required)	Acceptable	Currently pPUE 1.54
Site WUE Monitoring	1. Continuously monitored	Optimum	
Site CUE Monitoring	1. Continuously monitored	Optimum	
OPENNESS			
PUE Published	2. Available upon request	Acceptable	
Facility Design Drawings & Files	2. Available to view upon request	Acceptable	