	OCP Ready v1 Data Center Site Assessment	GLOBAL SWITCH SINGAPORE DATA CENTRE		
	Self Assessment Status:	COMPLETE-MEETS REQUIREMENTS		
	Data Center Location Name	Tai Seng Data Centre		
	Data Center Location Address	2 Tai Seng Ave, Singapore 534408		
	Site Development Category:	1. Multi-tenant Capacity Available	06/22/2026	
	Site Description: IT Technical Space (White Space) Area	Main Building consisting of 33 nos. of Technical Suites (over 10,000sqm of IT space) and extension building consisting of 5 nos. of Technical Suites (over 3,126sqm of IT space)		
	Site Description: Critical IT Power	Total 38 Technical suites accomodating 12.5MW of IT power. Main Building IT load supported by SUPS with N+N distribution and 12 Generators divided among 3 clusters with N+1 configuration in each cluster. Extension Building IT load supported by 4 DRUPs in N+1 configuration.		
	Site Description: Network Provider Availability	Tai Seng is one of Asia-Pacific's most connected facilities, located near Singapore's Central Business District and home to cloud, enterprise, and network providers. We support the full spectrum of density needs, from entry-level to AI-grade high-density with air or liquid cooling.		
	Site Description: Facility Features			
	Site Description: Other Services			
	Date Original Assessment is Completed	06/22/2026		
	Re-Assessment Date:			
Ref:	**REQUIREMENTS - Attribute (Must have an Optimum or Acceptable result)**	**Parameter**	**Result**	**Notes/ Actual Parameters**
1.0	**ACCESS**			
1.0-A	Building Access	1. Loading dock with lift or leveler	**Optimum**	
1.0-B	Delivery pathway, Loading dock to Goods in	1. ≥2.75m (108in) H x ≥2.4m (96in) W x ≥2.4m (96in) D unobstructed access and threshold free	**Optimum**	
1.0-C	Delivery pathway, Goods in to White space	1. ≥2.4m (96in) H x ≥1.8m (72in) W unobstructed access and threshold free	**Optimum**	
1.0-D	Corridor floor rolling load	1. ≥680kg (1500lb) (6.67kN)	**Optimum**	
1.0-E	Unboxing/pre-staging/storage area floor uniform load	2. Other (Notes Required)	**Acceptable**	There is no Unboxing/pre-staging/storage area. The unboxing have to be done outisde the facility and brought in thereafter.
1.0-F	Unboxing/pre-staging/storage area floor concentrated load	2. Other (Notes Required)	**Acceptable**	There is no Unboxing/pre-staging/storage area. The unboxing have to be done outisde the facility and brought in thereafter.
1.1	**RAMPS**			
1.1-A	Gradient	2. 8% - 12.5% (1:12 - 1:8)	**Acceptable**	
1.1-B	Width	1. ≥1.5m (60in)	**Optimum**	
1.1-C	Landing area	1. ≥1.5m x 1.5m (60in x 60in)	**Optimum**	
1.1-D	Railings	1. ≥900mm (36in) and <1000mm (40in)	**Optimum**	
1.2	**LIFTS / ELEVATORS**			
1.2-A	Weight loading	1. ≥1500kg (3300lbs)	**Optimum**	
1.2-B	Door height	1. ≥2.4m (96in) Lift /Elevator door opening height (not internal cabin)	**Optimum**	
1.2-C	Width	1. ≥1.5m (60in) Unobstructed door opening width	**Optimum**	
1.2-D	Depth	1. ≥1.5m (60in) Unobstructed cabin depth	**Optimum**	
2.0	**IT TECHNICAL SPACE (WHITE SPACE)**			
2.0-A	Floor rolling load	1. ≥680kg (1500lb) (6.67kN)	**Optimum**	
2.0-B	Floor uniform load	2. ≥732kg/m2 (150lb/ft2) (7.17kN/m2)	**Acceptable**	
2.0-C	Floor concentrated load	1. ≥680kg (1500lb) (6.67kN)	**Optimum**	
2.0-D	Finished floor to ceiling height	2. ≥3.1m (124in)	**Acceptable**	
2.0-E	Access floor clearance	1. ≥900mm (36in) (if used for cooling)	**Optimum**	
2.1	**ELECTRICAL**			
2.1-A	Number of independent circuits to the rack	1. 2N (A+B)	**Optimum**	
2.1-B	Maximum circuit capacity	1. 3ϕ 32A/230V	**Optimum**	
2.1-C	Circuit voltage	1. 400/230 VAC nominal	**Optimum**	
2.1-D	Circuit frequency	1. 47-63 Hz	**Optimum**	
2.1-E	Power receptacle / WIP Type	1. IEC60309 532R6W	**Optimum**	
2.1-F	Circuit receptacle location	2. Underfloor	**Acceptable**	
2.1-G	Upstream UPS options	2. UPS only feed available	**Acceptable**	
2.1-H	Rack-based batteries permitted	1. Allowed	**Optimum**	
2.1-I	Generator load acceptance time	1. <60 seconds	**Optimum**	
2.2	**COOLING**			

2.2-A	Rack airflow direction	1. Front to Back	Optimum	
2.2-B	Air containment methods	2. Cold aisle containment for all cabinets in white space	Acceptable	
2.2-C	Maximum rack density	1. ≥12kw	Optimum	
2.2-D	Minimum cold aisle width	2. ≥1200mm (48in)	Acceptable	
2.2-E	Minimum free width cold aisle (Inside cage)	1. ≥1200mm (48in)	Optimum	
2.2-F	Minimum hot aisle width	2. Not Applicable	Acceptable	
2.2-G	Inlet air conditions	2. ASHARE Recommended	Acceptable	
2.2-H	Air quality	1. EN 779 G4 and F7 filtering & Gas particulate monitoring to the ANSI/ISA 74.04-1985 G severity levels	Optimum	
2.2-I	Temperature rise	1. ≥12 Deg C DeltaT	Optimum	
2.2-J	Cabinet blanking of open space	1. Mandatory	Optimum	
2.3	**CABLING**			
2.3-A	Cabling infrastructure pathways	1. Top and Front of rack fed	Optimum	
2.3-B	Overhead Network Infrastructure containment levels	1. 3 Levels (Intra-Pod cabling; Inter-Pod cabling; OOB cabling)	Optimum	
2.3-C	Fibre Type (if installed)	2. Installed Per Customer Requirements	Acceptable	
2.3-D	Fibre connection presentation (if installed)	2. Installed Per Customer Requirements	Acceptable	
	CONSIDERATIONS (For information only)	**Parameter**		
3.0	**SERVICE**			
3.0-A	Replacement PSU Modules	2. Other (Notes required)	Acceptable	N/A
3.0-B	Replacement BBU Modules	2. Other (Notes required)	Acceptable	N/A
3.0-C	Option to monitor PSUs and BBUs	2. No	Acceptable	
3.0-D	Remote hands for PSU and BBU replacement or expansion	2. No	Acceptable	
3.0-E	Remote hands for OCP IT hardware replacement or expansion	2. No	Acceptable	
4.0	**EFFICIENCY**			
4.0-A	Site Operations Standards	2. Bicsi 009-2019 Data Center Operations and Maintenance Best Practices	Acceptable	
4.0-B	Site PUE Monitoring	1. Continuously monitored	Optimum	
4.0-C	Site Design PUE	2. <1.5	Acceptable	
4.0-D	Site Annualized PUE Current Achievement	2. <1.5	Acceptable	
4.0-E	Site WUE Monitoring	1. Continuously monitored	Optimum	
4.0-F	Site CUE Monitoring	2. Periodically measured	Acceptable	
5.0	**OPENNESS**			
5.0-A	PUE Published	2. Available upon request	Acceptable	
5.0-B	Facility Design Drawings & Files	2. Available to view upon request	Acceptable	