OCP Ready COLO Facility Assessment	Chayora TJ1			
Self Assessment Status:	COMPLETE-MEETS REQUIREMENTS			
Data Center Location Name	Chayora TJ1 No.17 Toogija Pood Poicher District Taojija 王津古北国区海台攻47日			
Data Center Location Address	NO.1/ Iongjin Koad, Beicnen District, Hanjin - 大洋市北版区通际路1/行			
	Chayora phase 1 RFS 30 Sept 2020 has 4 IT Suites providing c1,000m2. (10,000 Sq. ft.) of raised floor, with ASHRAE Recommended TC9. compliant			
	temperature and humidity control, Gaseous fire suppression and overhead bus bar fed UPS critical power rated at 4MW. A further 5 a 1.000m2 data halls are immediately available for MEP fit to suit			
Site Description: White Space Area	Dianned 18MW of IT power based on other DP NL1 and 2N topology with 15 min battery based			
Site Description: Critical IT Power	Telstra (Network Management), CT. CU., CM. CITIC			
Site Description: Network Provider Availability	TJ1 is a Tier III certified DC on the Chayora Tianjin campus. With 6 x 1,000m2 data halls and is carrier and cloud neutral with Tesltra,			
Site Description: Escility Fostures	China Unicom, China Telecom, China Mobile, CITIC and China Broadband connected and direct access to AWS, Azure, AliCloud, Tencent & Huawei cloud			
Site Description: Facility Features	"Chayora is an international customer focused data centre campus.			
	Fully permitted, power and fibre secured and ready to construct multi-phased land options on seven sub-plots totalling 32 hectares. Six 3,000 rack DCs and three 1,000 rack high performance computing DCs with bespoke design to meet customer requirements.			
	Carrier neutral with China Telecom, China Mobil	e, China Unicom and	d international carriers connected to the site.	
	Dual routed (full 2N), independent connection power su	s if required, includii ipply through dedica	ng direct diverse connections to National super-POPs. Ited sub-stations providing up to 300MW grid power.	
	Adjacent (500m) gas turbine power plant can enable 'cle	an' direct power ger	neration and supply backed up by highly resilient grid.	
Site Description: Other Services	Powered Land, Build-to-Suit, Assured Scalability and Wholesale Colocation options available."			
Date Original Assessment is Completed	08/07/2020			
Re-Assessment Date:		09/25/2022		
(Must have an Optimum or Acceptable result)	Parameter	Result	Notes	
ACCESS		_	Euternal Londian bay is provided with deal-levellage	
Building Access	1. Loading dock with lift or leveler	Optimum	External Loading bay is provided with dock levellers to offload equipment and racks from truck level to unloading area, when it can then be rolled threshold free in to the Goods Receiving area.	
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	Access throughout the facility is design for a 54U cabinet to be transported on a pallet truck, through doorways sized at 3m clearance.	
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	2. ≥459kg (1012lb) (4.5kN) (notes required)	Acceptable	Part of the corridor is constructed of raised floor system using cementitious infilled steel flooring based on CISCA Standard	
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. Not Applicable - No Ramps Required	Optimum		
Width	1. Not Applicable - No Ramps Required	Optimum		
	1. Net Anglice black be Denne Denning			
Landing area	1. Not Applicable - No Ramps Required	Optimum		
Railings	1. Not Applicable - No Railings Required	Optimum		
LIFTS / ELEVATORS			2 post Cargo lifts with a capacity of 4000kg are	
Weight loading	1. ≥1500kg (3300lbs)	Optimum	provided.	
Door height	1. ≥2.4m (96in) Lift /Elevator door opening height (not internal cabin)	Optimum	Cargo lift's door height is 3m	
Width	1. ≥1.5m (60in) Unobstructed door opening width	Optimum	Cargo lift's width is 2m	
Depth	1. ≥1.5m (60in) Unobstructed cabin depth	Optimum	Cargo lift's depth is 3.6m	
WHITE SPACE			Cargo int 3 deptit is 5.0m	
Floor rolling load	2. ≥459kg (1012lb) (4.5kN) (Notes Required)	Acceptable	The raised floor system is constructed of cementitious infilled steel flooring based on CISCA Standard	
Floor uniform load	1. ≥1221kg/m2 (250lb/ft2) (11.97kN/m2)	Optimum	The raised floor system is constructed of cementitious infilled steel flooring based on CISCA Standard	
Floor concentrated load	2. ≥459kg (1012lb) (4.5kN) (Notes Required)	Acceptable	The raised floor system is constructed of cementitious infilled steel flooring based on CISCA Standard	
Finished floor to ceiling height	2. ≥3.1m (124in)	Acceptable	There is a minimum clearance of 4m from raised floor to the bottom of the false ceiling.	
Access floor clearance	2.<450mm (18in) (if not used for cooling notes	Acceptable	er en	
ELECTRICAL	required)			
Number of independent circuits to the rack	1. 2N (A+B)	Optimum	Basis of design is 2N at rack location derived from a distributed redundant central UPS.	
Maximum circuit capacity	1. 3 φ 32A/230V	Optimum	Tap off boxes, on a pitch-free system, provided with Single Phase or 3 Phase outlets, complete with power monitoring.	
Circuit voltage	1. 400/230 VAC nominal	Optimum	Nominal 230v a.c. Single phase,, 400 V a.c. 3 phase.	

Circuit frequency	1. 47-63 Hz	Optimum	Nominal 50Hz, =/- 0.1 Hz
Power receptacle / WIP Type	1. IEC60309 532R6W	Optimum	Both connector formats can be provided (equivalent to BS 4343), single phase/3 wire (blue) or 3 Phase/5 wire (red).
Circuit receptacle location	1. Overhead	Optimum	
Upstream UPS options	1. UPS and non UPS feeds available	Optimum	Basis of design is for central UPS (4 to make 3 or 2N redundancy). However power supply can be arranged as generator backed for OCP racks if required.
Rack-based batteries permitted	1. Allowed	Optimum	
Generator load acceptance time	1. <60 seconds	Optimum	Design transfer time is <25 seconds
COOLING			
Rack airflow direction	1. Front to Back	Optimum	Front to Back
Air containment methods	1. Hot aisle containment or rack chimney	Optimum	Hot Aisle containment is employed
Maximum rack density	1. ≥12kw	Optimum	Average power density is 8kW per cab. Power density of up to 15kW can be achieved without special requirements.
Minimum cold aisle width	1. ≥1500mm (60in)	Optimum	1200mm is standard pitch to achieve maximum rack count, but there are no constraints on a width, subject to reducing the overall cab/rack count.
Minimum free width cold aisle (Inside cage)	1. ≥1200mm (48in)	Optimum	
Minimum hot aisle width	1. ≥1200mm (48in)	Optimum	
Inlet air conditions	1. ASHRAE Class A1 Allowable	Optimum	The basis of design is ASHRAE Recommended (Class
Air quality	1. EN 779 G4 and F7 filtering & Gas particulate monitoring to the ANSI/ISA 74.04-1985 G severity levels	Optimum	A1/2013
Temperature rise	1. ≥12 Deg C DeltaT	Optimum	Base design is for a Delta T of 15 Deg C
Cabinet blanking of open space	1. Mandatory	Optimum	
CABLING			
Cabling infrastructure pathways	1. Top and Front of rack fed	Optimum	
	1. 3 Levels (Intra-Pod cabling: Inter-Pod cabling:		
Overhead Network Infrastructure containment levels		Optimum	
Overhead Network Infrastructure containment levels Fibre Type (if installed)	OOB cabling) 1. OS2 & OM4	Optimum Optimum	
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