OCP Ready COLO Facility Assessment	JAK2
Self Assessment Status:	COMPLETE-MEETS REQUIREMENTS
Data Center Location Name	SpaceDC JAK2
Data Center Location Address	Jl. Daan Mogot KM. 18 No.18, RT.11/RW.6, Kalideres, Jakarta Barat 11840, Indonesia
Site Description: White Space Area	1 x data hall, 700m2 data hall.
Site Description: Critical IT Power	1,400kW per data hall
Site Description: Network Provider Availability	Carrier neutral site, with more than 7 network providers.
Site Description: Facility Features	Site includes 2 story admin building, technical support spaces including UPS, generator and cooling plant, loading docks, MMRs and security. 2 x single story data halls.
Site Description: Other Services	We provide business continuity seating, customer desking, offices, lockers and meeting spaces upon request.
Date Original Assessment is Completed	6/12/2020
Re-Assessment Date:	7/7/2021

REQUIREMENTS - Attribute (Must have an Optimum or Acceptable result)	Parameter	Result	Notes
ACCESS			
Building Access	2. Road level with step and threshold free access	Acceptable	The building has disability access provided, in addition to a dock.
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	We have a 6m wide roadway to the loading dock with unobstructed height.
Delivery pathway, Goods in to White space	1. ≥2.4m (96in) H x ≥1.8m (72in) W unobstructed access and threshold free	Optimum	We have a controlled pathway with depacking, test and build rooms, prior to data hall delivery.
Corridor floor rolling load	1. ≥680kg (1500lb) (6.67kN)	Optimum	We have a concrete floor throughout the facility.
Unboxing/pre-staging/storage area floor uniform load	2. ≥732kg/m2 (150lb/ft2) (7.17kN/m2)	Acceptable	We have depacking, pre-staging storage areas on the ground floor.
Unboxing/pre-staging/storage area floor concentrated load	2. ≥567kg (1250lb) (5.56kN)	Acceptable	We have depacking, pre-staging storage areas on the ground floor.
RAMPS			
Gradient	1. ≤1:12	Optimum	Compliant with international standards for access.
Width	1. ≥1.5m (60in)	Optimum	We generally provide 1.8m minimum access to all critical spaces.
Landing area	1. ≥1.5m x 1.5m (60in x 60in)	Optimum	We provide landing areas.
Railings	1. ≥900mm (36in) and <1000mm (40in)	Optimum	Where required to meet code, these are provided.
LIFTS / ELEVATORS			
Weight loading	1. Not Applicable - No Lift/Elevator Required	Optimum	Our DC is single level.
Door height	1. Not Applicable - No Lift/Elevator Required	Optimum	Our DC is single level.
Width	1. Not Applicable - No Lift/Elevator Required	Optimum	Our DC is single level.
Depth	1. Not Applicable - No Lift/Elevator Required	Optimum	Our DC is single level.
WHITE SPACE			
Floor rolling load	1. ≥680kg (1500lb) (6.67kN)	Optimum	We have a concrete slab for the data hall.
Floor uniform load	1. ≥1221kg/m2 (250lb/ft2) (11.97kN/m2)	Optimum	We have a concrete slab for the data hall.
Floor concentrated load	1. ≥680kg (1500lb) (6.67kN)	Optimum	We have a concrete slab for the data hall.
Finished floor to ceiling height	2. ≥3.1m (124in)	Acceptable	We have 3.4m to accommodate 48RU racks.
Access floor clearance	1. Not Applicable - No Access Floor	Optimum	No raised floor within the data hall.
ELECTRICAL			
Number of independent circuits to the rack	1. 2N (A+B)	Optimum	We provide dual above each cabinet bus bars to distribute power throughout the hall.
Maximum circuit capacity	1. 3ϕ 32A/230V	Optimum	Dual take off boxes are possible, nominal 32A or up to 63A 3 phase dual supplies to each cabinet.
Circuit voltage	1. 400/230 VAC nominal	Optimum	Our facility meets Indonesian standard of 415.
Circuit frequency	1. 47-63 Hz	Optimum	Our facility meets Indonesia requirement for 50hz.
Power receptacle / WIP Type	1. IEC60309 532R6W	Optimum	IEC60309 from take off boxes.
Circuit receptacle location	1. Overhead	Optimum	Take off from bus bar overhead.
Upstream UPS options	1. UPS and non UPS feeds available	Optimum	We provide A and B UPS feeds to each rack.
Rack-based batteries permitted	1. Allowed	Optimum	We have lithium batteries for our UPS that provide 5min battery autonomy.
Generator load acceptance time	1. <60 seconds	Optimum	We have MTU / Rolls Royce engines capable of taking load immediately (no paralleling requirement).
COOLING			
Rack airflow direction	1. Front to Back	Optimum	We have deployed hot aisle containment.
Air containment methods	1. Hot aisle containment or rack chimney	Optimum	We have a no raised floor facility, with a hot air chimney that connects to a hot air return plenum, leading to the fan wall.
Maximum rack density	1. ≥12kw	Optimum	We are able to support racks of up to 15KW without supplemental cooling.

Minimum cold aisle width	2. ≥1200mm (48in)	Acceptable	OK, minimum 1275mm
Minimum free width cold aisle (Inside cage)	1. ≥1200mm (48in)	Optimum	
Minimum hot aisle width	2. ≥900mm (36in)	Acceptable	OK, minimum 950mm
Inlet air conditions	1. ASHRAE Class A1 Allowable	Optimum	
Air quality	1. EN 779 G4 and F7 filtering & Gas particulate monitoring to the ANSI/ISA 74.04-1985 G severity levels	Optimum	We also filter external air with high grade filtration, to prevent contaminants entering the data hall.
Temperature rise	1. ≥12 Deg C DeltaT	Optimum	Our design assumes a 12 Deg C delta.
Cabinet blanking of open space	1. Mandatory	Optimum	We specify blanking in the data center rules and regulations.
CABLING			
Cabling infrastructure pathways	1. Top and Front of rack fed	Optimum	Yes, subject to customer preference.
Overhead Network Infrastructure containment levels	1. 3 Levels (Intra-Pod cabling; Inter-Pod cabling; OOB cabling)	Optimum	We provide all cabling infrastructure overhead.
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	We have PSU Modules spare parts ready
Replacement BBU Modules	1. In stock onsite	Optimum	We have BBU Modules spare parts ready
Option to monitor PSUs and BBUs	1. Yes	Optimum	We can monitor PSU and BBU device through DCIM.
Remote hands for PSU and BBU replacement or expansion	1. Yes	Optimum	SpaceDC Technician will be able to undertake PSU and BBU replacement and expansion.
Remote hands for OCP IT hardware replacement or expansion	1. Yes	Optimum	SpaceDC Technician is able to undertake IT Hardware replacement and expansion.
EFFICIENCY			
Site Operations Standards	2. Bicsi 009-2019 Data Center Operations and Maintenance Best Practices	Acceptable	We have an experienced data center operations team.
Site PUE Monitoring	1. Continuously monitored	Optimum	We monitor PUE continuously through our ICMS.
Site Design PUE	2. <1.5	Acceptable	Site PUE design is < 1.5.
Site Annualized PUE Current Achievement	2. <1.5	Acceptable	Site PUE design is < 1.5.
Site WUE Monitoring	1. Continuously monitored	Optimum	We monitor WUE continuously through our ICMS.
Site CUE Monitoring	1. Continuously monitored	Optimum	We monitor CUE continuously through our ICMS.
OPENNESS			
PUE Published	2. Available upon request	Acceptable	PUE will be publish upon request, in accordance with Green Grid calculations.
Facility Design Drawings & Files	2. Available to view upon request	Acceptable	Facility Design Drawings and Files will be available for customers to view upon request.