

	OCP Ready v2 for Hyperscale Data Center Site Assessment	DV1		
	Self Assessment Status:	COMPLETE-MEETS REQUIREMENTS		
	Data Center Location Name	DV1		
	Data Center Location Address	DataVita, 1 York Rd, Chapelhall, Airdrie ML6 8HW		
	Site Development Category:	1. Multi-tenant Capacity Available	11/29/2024	
	Site Description: IT Technical Space (White Space) Area	Ground Floor 2,109m2		
	Site Description: Critical IT Power	40MW		
	Site Description: Network Provider Availability	Zayo, Openreach, Virgin, Vodafone, Neos Networks, Commsworld, Cloud on Ramps to AWS, Azure etc., SWAN, JANET		
	Site Description: Facility Features	1. Constructed to meet a SG and CPNI requirements for HMG Official.		
		2. Twin 2.4m anti scale perimeter fencing with perimeter intruder detection systems on outer fence motion sensing within fence air gap.		
		3. Secure vehicle entry system with dual stage access gate, ANPR and anti-ram barrier		
		4. Customer and staff parking outside secure area pedestrian access turnstiles with CCTV intercom and 2 factor access control		
		5. 24X7 manned Security with offsite dual monitoring of CCTV		
		6. All Staff SC cleared and first aid trained		
		7. Two factor door access control		
		8. Secure Man trap for access to data hall corridors.		
		9. All racks cold aisle containment supplied with door access		
		10. All racks come with individual tumbler lock as standard (door access available as an option)		
		11. Front and rear rack door open/closed sensor monitoring		
		12. Front and rear rack CCTV		
		13. Build rooms		
		14. Conference Rooms		
	Site Description: Other Services	Infrastructure as a Service, Backup as a Service, Disaster Recovery as a Service, Storage as a Service, Remote Hands		
	Date Original Assessment is Completed	11/29/2024		
	Re-Assessment Date:			
Ref:	REQUIREMENTS - Attribute (Must have an Optimum or Acceptable result)	Parameter	Result	Notes/ Actual Parameters
1	CAMPUS SITE ACCESS & LOGISTICS			
1.0	SITE ACCESS			
1.0-A	Vehicular Access inc. truck circulation	1. Roadway access to loading dock to allow for an Interstate Semitrailer 67' Wheelbase (WB-67)	Optimum	
1.0-B	Building Access	1. Covered loading dock with leveler	Optimum	
1.0-C	Delivery pathway, Loading dock to storage room	1. ≥ 2.75m (108in) H x ≥ 1.6m (63in) W unobstructed access and threshold free	Optimum	
1.0-D	Delivery pathway, Goods in to IT Technical Space	1. ≥ 2.75m (108in) H x ≥ 1.6m (63in) W unobstructed access and threshold free	Optimum	
1.0-E	Corridor floor rolling load	2. ≥680 kg (1500 lb) (6.67 kN) access floor (no spreader plates required)	Acceptable	
1.0-F	Unboxing/pre-staging/storage area floor uniform load	2. ≥1221 kg/m2 (250 lb/ft2) (11.97 kN/m2) access floor (no spreader plates required)	Acceptable	
1.0-G	Unboxing/pre-staging/storage area floor concentrated load	2. ≥680 kg (1500 lb/ft2) (6.67 kN) access floor	Acceptable	PSA Spec Heavy Grade Point Load - 4.5kN, 4 Point Loading - 11kN. Alternative raised flooring system can be installed if required
1.1	ACCESS CONTROLS & MONITORING			
1.1-A	Site perimeter fence	1. ≥2.43m (96in) H with perimeter intrusion detection system (PIDS)	Optimum	
1.1-B	Site security lighting	1. Site lighting with backup power	Optimum	
1.1-C	Main Security Checkpoint (or check in location)	1. Staffed 24/7	Optimum	
1.1-D	Levels of security to gain access to IT Technical Space	1. >3 (site perimeter, building perimeter, secure corridor and IT Technical Space)	Optimum	
1.1-E	Video surveillance data record archive	2. 30 days	Acceptable	
1.1-F	Visitor access requirements	1. Pre-approved with valid government issued ID and escorted	Optimum	
1.1-G	Entrance and exit door monitoring	1. All entrance and exit doors are electronically monitored and recorded	Optimum	
1.2	RAMPS			
1.2-A	Gradient	1. Not Applicable - No Ramps Required	Optimum	
1.2-B	Length	1. Not Applicable - No Ramps Required	Optimum	
1.2-C	Width	1. Not Applicable - No Ramps Required	Optimum	
1.2-D	Landing area	1. Not Applicable - No Ramps Required	Optimum	
1.2-E	Railings	1. Not Applicable - No Railings Required	Optimum	
1.3	FREIGHT LIFTS / ELEVATORS			
1.3-A	Weight loading	1. Not Applicable - No Lift/Elevator Required	Optimum	
1.3-B	Door height	1. Not Applicable - No Lift/Elevator Required	Optimum	
1.3-C	Width	1. Not Applicable - No Lift/Elevator Required	Optimum	
1.3-D	Depth	1. Not Applicable - No Lift/Elevator Required	Optimum	
2	IT TECHNICAL SPACE (WHITE SPACE)			
2.0	STRUCTURAL			

2.0-A	Floor rolling load	2. ≥680 kg (1500 lb) (6.67 kN) access floor	Acceptable	
2.0-B	Floor uniform load	2. ≥1221kg/m2 (250lb/ft2) (11.97kN/m2) access floor	Acceptable	
2.0-C	Floor concentrated load	2. ≥680kg (1500lb) (6.67kN) access floor	Acceptable	PSA Spec Heavy Grade Point Load - 4.5kN, 4 Point Loading - 11kN. Alternative raised flooring system can be installed if required
2.0-D	Finished floor to ceiling height	2. ≥3.65m (144in) clear space (no obstructions)	Acceptable	3.96m
2.0-E	Access floor	1. CFD study available to view on request (if used for cooling)	Optimum	Ventilation Balancing Report available. CDF study can be undertaken on request.
2.1	ELECTRICAL			
2.1-A	Class Rating	1. 3 (e.g. Bicsi F3 or UTI Tier 3 Notes Required)	Optimum	Designed to UTI Tier 3 for Design and Construction
2.1-B	Row level diverse power feeds	1. 2N (A+B)	Optimum	
2.1-C	Nominal circuit capacity	1. 1ϕ 16A/230V	Optimum	1ϕ 16A 230V & 3ϕ 32A 400V available
2.1-D	Circuit voltage	1. 400/230 VAC nominal	Optimum	
2.1-E	Circuit frequency	1. 47-63 Hz	Optimum	
2.1-F	Power receptacle / WIP Type	1. All power receptacle types supported	Optimum	
2.1-G	Circuit receptacle location	1. Overhead busbar	Optimum	
2.1-H	Upstream UPS options	1. N+N UPS feed	Optimum	
2.1-I	Rack-based batteries permitted	1. Allowed	Optimum	
2.1-J	Generator load acceptance time	1. <20 seconds	Optimum	
2.2	COOLING			
2.2-A	Class Rating	1. 3 (e.g. Bicsi F3 or UTI Tier 3 Notes Required)	Optimum	Designed to UTI Tier 3 for Design and Construction
2.2-B	Supplemental Advanced Cooling	1. Not Applicable	Optimum	
2.2-C	Rack airflow direction	1. Front to Back	Optimum	
2.2-D	Air containment methods	1. Hot aisle containment	Optimum	Hot or cold aisle containment available on request
2.2-E	Maximum rack density	1. ≥12kW	Optimum	
2.2-F	Minimum cold aisle width	1. ≥1400mm (56in)	Optimum	Can be specified to meet customer requirements
2.2-G	Minimum free width cold aisle (Inside cage)	1. ≥1400mm (56in)	Optimum	Can be specified to meet customer requirements
2.2-H	Minimum hot aisle width	1. ≥1200mm (48in)	Optimum	Can be specified to meet customer requirements
2.2-I	Inlet air conditions	1. ASHRAE Recommended	Optimum	
2.2-J	Air quality	1. MERV 8 filters on outside air	Optimum	
2.2-K	Temperature rise	1. ≥12 Deg C DeltaT	Optimum	
2.2-L	Cabinet blanking of open space	1. Mandatory	Optimum	
3	TELECOMMUNICATIONS			
3.1	ACCESS PROVIDERS AND OUTSIDE PLANT (OSP) Fiber			
3.1-A	OSP fiber to data center campus	1. 3 diverse OSP entrances to the data center campus	Optimum	
3.1-B	Carriers and backbone providers	1. Carrier neutral with expansion capability (Notes Required)	Optimum	
3.2	MEET-ME ROOMS (MMRS)			
3.2-A	Number and Location	1. N+N Isolated MMRS with dedicated OSP fiber entrance from service providers	Optimum	
3.3	MMR CABLING			
3.3-A	MMR to IT Technical Space Pathways	1. 2 dedicated diverse pathways from 2 MMRS	Optimum	
3.3-B	MMR to IT Technical Space Conduit Pathway sizing	1. ≥100mm (4in) conduit pathways	Optimum	
3.4	MMR ELECTRICAL			
3.4-A	Class Rating	1. 3 (e.g. Bicsi F3 or UTI Tier 3 Notes Required)	Optimum	Designed to UTI Tier 3 for Design and Construction
3.4-B	Row level diverse power feeds	1. 2N (A+B)	Optimum	
3.4-C	Nominal circuit capacity	1. 1ϕ 16A/230V	Optimum	1ϕ 16A 230V & 3ϕ 32A 400V available
3.4-D	Circuit voltage	1. 400/230VAC Nominal	Optimum	
3.4-E	Circuit frequency	1. 47-63 Hz	Optimum	
3.4-F	Upstream UPS options	1. N+1 UPS systems derived from an isolated house lineup	Optimum	
3.4-G	Generator load acceptance time	1. <20 seconds	Optimum	
3.5	MMR COOLING			
3.5-A	MMR cooling redundancy per room	2. N+1	Acceptable	
3.5-B	MMR cooling system type	1. DX	Optimum	

3.5-C	MMR cooling isolation	1. Isolated from IT technical space cooling system	Optimum	
3.6	MMR ACCESS CONTROLS			
3.6-A	Customer access to MMR(s)	1. Controlled by the colocation data center and escorted	Optimum	
3.6-B	Service Provider access to MMR(s)	1. Controlled by the colocation data center and escorted	Optimum	
3.6-C	Biometric readers, badge readers, and video surveillance installed for the MMR(s)?	1. Yes	Optimum	Badge readers, and video surveillance installed. Biometric readers can be installed if required
4	SERVICE			
4.1	OPERATIONS AND SPARE PARTS			
4.1-A	Critical spares program	1. On hand spares available on campus	Optimum	Supplier SLAs in place but can have spares on site if required
4.1-B	Critical Response SLA	1. Yes	Optimum	
4.1-C	Remote hands program	1. Yes	Optimum	
4.1-D	Office Space	1. Dedicated space available for fitout	Optimum	
5	EFFICIENCY			
5.0-A	Site Operations Standards	1. Bicsi 009-2019 Data Center Operations and Maintenance Best Practices	Optimum	
5.0-B	Operational Sourcing Standard	1. Hybrid	Optimum	
5.0-C	Work Note Communication and Coordination	1. Yes (e.g. Dedicated portal, Teams, Sharepoint)	Optimum	
5.0-D	Site PUE Monitoring	1. Continuously monitored	Optimum	
5.0-E	Site Design PUE at Full Load	1. <1.3 @ 80% Max Utilization	Optimum	
5.0-F	Site Annualized PUE Current Achievement	1. <1.3 @ 80% Max Utilization	Optimum	
5.0-G	Site WUE Monitoring	1. Continuously monitored	Optimum	
5.0-H	Site CUE Monitoring	2. Other (notes required)	Acceptable	Monthly assessment. Will be continuously monitored after the ongoing PMS system upgrade project.
6	OPENNESS			
6.0-A	PUE Published	1. Real-time available online	Optimum	Currently available in real time through the PMS, but can be available online if requested.
6.0-B	Facility Design Drawings & Files	1. Available to view upon request	Optimum	
6.0-C	BMS / PMS Customer Access	1. External access provided through a MQTT Broker or other air gapped connection for telemetry purposes. (e.g. power monitoring)	Optimum	External access can be provided if requested.
7	CERTIFICATIONS			
7.0-A	ISO/IEC 27001	1. Certification achieved	Optimum	
7.0-B	SOC 1 Type II	2. Other (Notes Required)	Acceptable	We are ISO27001 which is aligned to SOC 1 Type II
7.0-C	SOC 2 Type II	2. Other (Notes Required)	Acceptable	We are ISO27001 which is aligned to SOC 2 Type II
7.0-D	PCI-DSS	1. Certification available on request	Optimum	Can be undertaken on request.
7.0-E	Sustainability Assessment	2. Other (Notes Required)	Acceptable	Can be undertaken on request.
7.0-F	Data Center Certification	1. UTI Certification achieved	Optimum	UTI Tier 3 Achieved for Design and Construction