| | OCP Ready v2 for Hyperscale Data Center Site Assessment | *Novva SLC East* | | |
|---|---|---|---|---|
| | Self Assessment Status: | COMPLETE-MEETS REQUIREMENTS | | |
| | Data Center Location Name | Novva SLC East | | |
| | Data Center Location Address | 6381 Wells Park Rd, West Jordan, UT 84081 | | |
| | Site Development Category: | 1. Wholesale Data Center Fully Leased | 05/01/2025 | |
| | Site Description: IT Technical Space (White Space) Area | 132,000 square feet white floor space. Client customized setup with hot-aisle containment | | |
| | Site Description: Critical IT Power | 72 MW critical IT load | | |
| | Site Description: Network Provider Availability | Blended bandwidth offered, or client designated carrier. Three diverse entry paths to separate MMRs | | |
| | Site Description: Facility Features | Closed-loop, chilled-water system. Air cooled chillers - No water evaporation used to cool. Power distribution- Power whips or overhead bussing | | |
| | Site Description: Other Services | Cooling distribution-Perimeter fan walls. Available Power Voltages 120v, 208v, 240v, 415v, 277v, 480v. On-site 24x7 staffing. Drone surveillance, 8' perimeter fencing, CCTV campus wide, robot dogs. | | |
| | Date Original Assessment is Completed | 11/01/2024 | | |
| | Re-Assessment Date: | 07/15/2026 | | |
| **Ref:** | **REQUIREMENTS - Attribute (Must have an Optimum or Acceptable result)** | **Parameter** | **Result** | **Notes** |
| **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 a trailer 12.2m (40') Wheelbase | **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 | 1. ≥680 kg (1500 lb/ft2) (6.67 kN) slab on grade | **Optimum** | |
| **1.0-F** | Unboxing/pre-staging/storage area floor uniform load | 1. ≥1221 kg/m2 (250 lb/ft2) (11.97 kN/m2) slab on grade | **Optimum** | |
| **1.0-G** | Unboxing/pre-staging/storage area floor concentrated load | 1. ≥680 kg (1500 lb/ft2) (6.67 kN) slab on grade | **Optimum** | |
| **1.1** | **ACCESS CONTROLS & MONITORING** | | | |
| **1.1-A** | Site perimeter fence | 2. ≥2.43m (96in) anti-climb fence | **Acceptable** | |
| **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 | 1. >30 days | **Optimum** | |
| **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 | 2. ≥1300kg (2866lbs) | **Acceptable** | |
| **1.3-B** | Door height | 1. ≥2.75m (108in) Lift /Elevator door opening height (internal cabin) | **Optimum** | |
| **1.3-C** | Width | 1. ≥1.8m (71in) Unobstructed door opening width | **Optimum** | |
| **1.3-D** | Depth | 2. ≥1.5m (60in) Unobstructed cabin depth | **Acceptable** | |
| **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** | |
| **2.0-D** | Finished floor to ceiling height | 1. ≥4.5m (178in) clear space (no obstructions) | **Optimum** | |
| **2.0-E** | Access floor | 1. CFD study available to view on request (if used for cooling) | **Optimum** | |
| **2.1** | **ELECTRICAL** | | | |
| **2.1-A** | Class Rating | 1. 3 (e.g. Bicsi F3 or UTI Tier 3 Notes Required) | **Optimum** | Data center is not officially classified but built to tier type 3 UTI standards |

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|---|---|---|---|---|
| 2.1-B | Row level diverse power feeds | 1. 2N (A+B) | Optimum | |
| 2.1-C | Nominal circuit capacity | 1. 1ϕ and 3ϕ circuits available based on customer requirements (e.g. 1ϕ 230-240V, 3ϕ 400V-415V Notes Required) | Optimum | 415/240(Nominal capacity selected to align with industry standards.) |
| 2.1-D | Circuit frequency | 1. 47-63 Hz | Optimum | |
| 2.1-E | Power receptacle / WIP Type | 1. IEC60309 460R9W | Optimum | |
| 2.1-F | Circuit receptacle location | 1. All circuit receptacle locations supported | Optimum | |
| 2.1-G | Upstream UPS options | 1. N+N UPS feed | Optimum | |
| 2.1-H | Rack-based batteries permitted | 1. Allowed | Optimum | |
| 2.1-I | Generator load acceptance time | 1. <20 seconds | Optimum | The natural gas generators for the East building are the main power source and the redundant power. The Jenbacher generators have a load acceptance time of 2 minutes and 40 seconds. They operate in parallel and can modulate within milliseconds. However, to stay as the main power source, they can't have downtime longer than the noted time frame. Diesel generators are available as backup upon client request. |
| 2.2 | **COOLING** | | | |
| 2.2-A | Class Rating | 1. 3 (e.g. Bicsi F3 or UTI Tier 3 Notes Required) | Optimum | Data center is not officially classified but built to tier type 3 UTI standards |
| 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 | |
| 2.2-E | Maximum rack density | 1. ≥12kW | Optimum | |
| 2.2-F | Minimum cold aisle width | 1. ≥1400mm (56in) | Optimum | |
| 2.2-G | Minimum free width cold aisle (Inside cage) | 1.≥1400mm (56in) | Optimum | |
| 2.2-H | Minimum hot aisle width | 1. ≥1200mm (48in) | Optimum | |
| 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** | | | |
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| 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 | Novva's design is more closely aligned with BICSI 3 guidelines for overall data center design and infrastructure. |
| 3.4-B | Row level diverse power feeds | 1. 2N (A+B) | Optimum | |
| 3.4-C | Nominal circuit capacity | 1. 1ϕ and 3ϕ circuits available based on customer requirements (e.g. 1ϕ 230-240V, 3ϕ 400V-415V Notes Required) | Optimum | |
| 3.4-D | Circuit frequency | 1. 47-63 Hz | Optimum | |
| 3.4-E | Upstream UPS options | 2. UPS feeds derived from lineups supporting an IT Technical Space | Acceptable | |
| 3.4-F | UPS Redundancy | 1. 2N | 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 | 2. Chilled water | Acceptable | |
| 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 | |

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|---|---|---|---|---|
| 3.6-C | Biometric readers, badge readers, and video surveillance installed for the MMR(s)? | 1. Yes | Optimum | |
| 4 | **SERVICE** | | | |
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| 4.1 | **OPERATIONS AND SPARE PARTS** | | | |
| 4.1-A | Critical spares program | 1. On hand spares available on campus | Optimum | |
| 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** | | | |
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| 5.0-A | Site Operations Standards | 1. OCP Critical Facility Operations Guidelines | Optimum | |
| 5.0-B | Operational Sourcing Standard | 1. Integrated options | 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. Not applicable (e.g. zero water requirement) | Optimum | |
| 5.0-H | Site CUE Monitoring | 1. Continuously monitored | Optimum | |
| 6 | **OPENNESS** | | | |
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| 6.0-A | PUE Published | 1. Real-time available online | Optimum | |
| 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 | |
| 7 | **CERTIFICATIONS** | | | |
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| 7.0-A | ISO/IEC 27001 | 1. Certification in process | Optimum | |
| 7.0-B | SOC 1 Type II | 1. Certification in process | Optimum | |
| 7.0-C | SOC 2 Type II | 1. Certification in process | Optimum | |
| 7.0-D | PCI-DSS | 1. Certification in process | Optimum | |
| 7.0-E | Sustainability Assessment | 2. Other (Notes Required) | Acceptable | Built to LEED standards, certification was not pursued. |
| 7.0-F | Data Center Certification | 2. Other (Notes Required) | Acceptable | Our Data Centers are modeled to TIA and UTI frameworks, accounting for new AI and environmental standards. No formal certification has been completed. |
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| | Site Assessment Version - v1.0 rev1.15 | | | |