

**NMCI - ISF
Server Farmer Site Survey Matrix**

Item #	Site Location: Facility Requirements	Weighting Factor	Rating	Score	In Compliance	Non-Compliant	Existing	Required	Not Applicable	Undetermined	Comments
Building Shell Requirements											
1	Availability of Interior Space	8									
2	Accessibility of Site to Vehicles	7									
3	Accessibility of Construction Vehicles and Equipment	8									
4	Building Accessibility, (Dock, Doors)	8									
5	Accessibility of Construction Vehicles and Equipment	8									
6	Age/Condition of Building	7									
7	Age/Condition of the Roof	5									
8	Height of Structure	10									
9	Number of Stories	8									
10	Geometry of Space	5									
11	Floor Loading (Server Farm Floor 150lbs./sq Foot)	10									
12	Roof Loading/Roof Construction	3									
13	Wind Loading	5									
14	Seismic Loading	5									
15	Site Security	10									
16	Windows	3									
17	Column Spacing	7									
18	Foundation and Footings	10									
19	Structural Framing	8									
20	Signs of Fatigue	8									
21	Sealed Sub-floor	6									
22	Mechanical & Electrical Rooms (250 lbs./ft.)	8									
23	Mech. & Elec. Rooms - Sealed Floors	8									
24	Buildout Capability	8									
25	Exterior Wall Construction (wind loads of 115 mph)	8									
26	HAZMAT Conditions	10									
27	Phase I Environmental Survey	7									
28	Above 100 Year Flood Plain	7									
Basic Server Farm Requirements											
29	Server Farm Square Footage	5									
30	Server Farm Configuration Options	5									
31	Seismic Zone Bracing	8									
32	Availability of Fiber	10									
33	Communications Infrastructure	5									
Utility Issues											
34	Minimum Power Availability	10									
35	Dual Feed Power Availability	8									
36	Availability of Water and Sewer	5									
37	Proximity to Underground Plant Utilities	8									

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38	Availability of Communications Manhole and Duct System	8									
Interior Fit-out Requirements											
39	Raised Flooring - 24"x24" wood core panels										
40	1200 lb., 22 Ga., Hot Dipped Galvanized panels										
41	Rigid grid basketweave bolted system										
42	Perforated Panels (1panel/ 75 ft.)										
43	Raised Floor Elevation (36"-24")										
44	2hr. Separation @ "A" & "B" Critical Redundant Systems										
45	2hr. Separation @ Mag. Tape & media Storage										
46	Vinyl Coated 2'x4' ACT										
47	12'-0" Ceiling height in Server Farm (9'-0" minimum)										
48	Mech. & Elec. Room Door Openings 8'x10'										
49	Server Farm Door Openings 8'x10'										
Mechanical Guidelines											
50	Stand Alone A/C Units	8									
51	Redundancy	5									
52	Ventilation of Battery Room - Exhaust Fans (N+1)	8									
Electrical Guidelines											
53	Automatic Transfer Switch - Isolation By Pass										
54	Diesel Engine Generator - (N+1 redundancy)										
55	Paralleling Switchgear										
56	UPS - (N+1 redundancy)										
57	UPS - Static or Rotary										
58	Sealed Lead Acid Batteries										
59	Power Distribution Units										
60	Cable Tray										
61	Transient Voltage Surge Suppression										
62	Lightning Protection										
63	Grounding - #4 copper conductor bolted to raised floor, 6 AWG on racks, Communications Grounding Buss Bar, Building Grounding Ring										
64	Emergency Power Off Controls										
Fire Protection & Fire Detection											
65	Auto. Sprinklers or Gaseous Agent Extinguishing System										
66	Pre-Action Sprinkler System										
67	Automatic Smoke Detection										
68	Hand Held Fire Extinguishers										
Monitoring System											
69	Central Monitoring for Mech. & Elec. Systems										
Security Access & Surveillance											
70	Card Access System										

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71	Intrusion Detection System									
72	Magnetic Cipher Lock									
73	CCTV Internal Monitoring									
74	CCTV External Monitoring									
75	Possible Tempest Requirements									