

## Target Interface Inspection {Construction Compliance} Checklist

	INSPECTION ITEM	YES	NO	NOTES
5	Range Operations Center (ROC):			
a	Adequate space is available for target installer work station. Power receptacles and Data outlets are provided.			
b	All empty conduits shall have a pull string.			
c	A raised computer floor 12" depth minimum installed in comm. and control room.		©	
d	An opening of 384sq. in. minimum cross sectional area is provided between raised floor in comm. and control rooms.			
e	HVAC is provided for comm. and control room.		©	
f	A minimum of 1 meter of optical fiber cable left coiled inside of Data Termination Rack (DTR) connector housings.			
g	Minimum bend radius of optical cable has not been exceeded (10 times the diameter of the cable under no load conditions). There is also no micro bending of optical cable (pinched).			
h	The number of DTR's installed are IAW CEHNC 1110-1-23. Adequate space is available for OPA funded racks.			
i	Data Termination Rack (DTR) installed IAW CEHNC 1110-1-23. The DTR shall be an industry standard, NEMA 12, 19" (22" OD), 36" deep, 83.125" tall rack with ventilation. There shall be 36" working space in front, back and one side, and there shall be 6" space on side adjacent to nearest wall.			
j	Wire way is provided between the DTR's and RCS computer locations.			
k	Two separate dedicated 120-VAC, 20A circuits to a quadplex receptacle are provided for each DTR's power to outlet strip.			
l	A minimum #6 AWG ground cable bonds the DTRs and earth ground.			
m	Raised computer floor has grounding grid.		©	
n	Lightning protection meets national Fire Prevention Association (NFPA) code 780.			
o	Downrange communication conduits are stubbed up underneath DTRs and grounded IAW CEHNC 1110-1-23.		©	
p	Innerduct installed where main or downrange optical fiber cable enters the building in rigid conduit.		©	
q	Optical fiber cables are free of splices.		©	
r	DTR cables are permanently tagged adjacent to conduit penetrations showing cable destinations.		©	
s	Downrange data cables are terminated on a patch panel in the DTR (SC connectors for fiber optics)			
t	DTR vertical and horizontal cable management is clean, neat, and orderly.			
u	Buffer tube fan-out kits installed and furcation units anchored in DTR's connector housing.			
v	SC connector panels in the DTR are individually and permanently labeled showing cable destinations.			
w	Optical fiber cables meet CEHNC 1110-1-23 specifications.			
x	Minimum of Cat5e rated cable is installed to all data outlets.			
y	All data cables at every termination point are labeled with a permanent label.			
z	Data outlets have an RJ45 connector with a minimum Cat5e rating.			

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5	Range Operations Center (ROC):			
aa	Observation room has 8 junction boxes with conduit back to the communication room. Each junction box in ob. Room shall be spaced above the observation room. Provide pull strings in each conduit. Each junction box has a 20A duplex receptacle nearby for OPA monitors.			
bb	All metal conduits and cable trays shall be bonded together and grounded.			
cc	Panelboards are recessed mounted in finished areas.			
dd	Exterior lighting is provided on separate switching located near points of egress.			
ee	Exterior or interior white and red lights have separate switching.			
ff	Emergency lighting and exits signs are provided IAW codes.			
gg	Red lighting is provided near white fixtures in observation rooms, control rooms, and on exterior walls.			
hh	Minimum of 24 strands of fiber optic cable is installed between DTRs in AAR and ROC.			
ii	UPS space is provided.			
jj	Two 4" conduits with pull wire are provided in the control room through an exterior wall, is stubbed up 6" outside of the control room, and is capped on both ends.			