

ECS DISCIPLINE JOB DESCRIPTION

OPTICAL FIBRE DATACOMMS SPECIALIST	
Pre-requisites: Candidate shall be able to demonstrate that they have successfully either undertaken a Datacomms Specialist apprenticeship or have 2 years experience as follows	
Skills	<p>Candidate shall be capable, and have demonstrable experience, of:</p> <ul style="list-style-type: none"> installing cable trays, ladder rack, metal and plastic trunking, metal and plastic dado trunking. fitting out cabinets, frames, rack with closures (e.g. patch panels), cable management systems and transmission equipment (e.g. hubs, switches, routers). installing singlemode and multimode optical fibre cables, balanced cables (unscreened and screened), co-axial and other commonly used cables within a generic/structured cabling environment. jointing, termination, testing and fault finding on optical fibre cables.
Technical Knowledge Standards	<p>Candidate shall have a working knowledge of the installation and associated documentation aspects of the following standards:</p> <ul style="list-style-type: none"> BS 6701 BS EN 50174 series BS EN 50310 BS EN 50173 series BS EN 50346 <p>An awareness of other standards</p> <ul style="list-style-type: none"> ISO/IEC 11801 and BS 7671 <p>An awareness of the existence of other standards bodies</p> <p>§ IET, IEEE, North American TIA</p>
Documentation	<p>Candidate shall be capable of :</p> <p>§ reading installation drawings including plans, cable routing, cable schedules, termination schedules, materials take off (MTO) and single line diagrams (SLDs)</p> <ul style="list-style-type: none"> marking aforementioned drawings 'as built'. <p>Candidate shall have a good knowledge of the various parts of a structured cabling installation in accordance with EN 50173 standards</p>
Qualifications	<p>Either:</p> <p>§ candidate has obtained S/NVQ Level 2 in Structured Cabling Systems <u>and</u> City & Guilds 3667 Level 2 units 2 and/or 3 (or equivalent earlier City & Guilds 3466 or 3666 versions)</p> <p>or</p> <ul style="list-style-type: none"> candidate has achieved a manufacturer's qualification, following structured training of at least 2-days duration, and is certified to work on their proprietary warranted cabling systems <p><u>and</u></p> <p>candidate can document a minimum of 6 years of experience in working on communications cabling installation and testing. Some equivalent experience in related fields or industry may be acceptable as a proportion of the experience element. Documentary evidence should be provided where possible, and skills claimed by the candidate should be confirmed by a company director in a signed letter on company letterhead.</p>
Health & Safety	<p>Candidate shall have undertaken basic Health & Safety training as the following NET modules or equivalent:-</p> <ul style="list-style-type: none"> Unit NET 17: Implement a Safe Site Working Practices Unit NET 81: Maintain a Healthy and Safe Working Environment <p>Candidate must also satisfy the current health and safety requirements of the scheme which can be found at www.ecscard.org.uk/ecs_health_and_safety_test.html.</p>