The Institution of Engineers, Malaysia

ORGANISED BY INFORMATION AND COMMUNICATIONS TECHNOLOGY SPECIAL INTEREST GROUP (ICTSIG)

WEBINAR TALK ON FIBER CABLING FOR FIBER-TO-THE-PREMISE (FTTP)

by En. Asrul Nazrin Bin Ahmad Nuruddin

- FRIDAY
- 25 AUGUST 2023
- 3.00 P.M. - 5.00 P.M
- DIGITAL PLATFORM (ZOOM)
- CPD HOURS : 2 HOURS
- CPD REF NUMBER : IEM23/HQ/324/T (W)

REGISTRATION FEES
IEM STUDENT MEMBER : FREE
IEM MEMBER : RM 15
NON IEM MEBER : RM 70

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SYNOPSIS

GROWING DEMAND FOR HIGH-SPEED INTERNET IS THE PRIMARY DRIVER FOR THE NEW ACCESS TECHNOLOGIES WHICH ENABLE EXPERIENCING TRUE BROADBAND. IT LEADS TELECOMMUNICATION OPERATORS TO SERIOUSLY CONSIDER THE HIGH-VOLUME ROLL-OUT OF OPTICAL-FIBER BASED ACCESS NETWORKS. TELCOS HAVE TO RENEW THEIR ACCESS NETWORKS THAT ARE CLEARLY BECOMING THE BOTTLENECK IN TERMS OF BANDWIDTH.

THEREFORE, MOST TELECOMMUNICATION PROVIDERS ARE WITHDRAWING THEIR LEGACY COPPER NETWORK, GIVING WAY TO OPTICAL FIBER NETWORKS. TO ALLOW FASTER CONNECTIONS, THE OPTICAL FIBER GETS CLOSER AND CLOSER TO THE SUBSCRIBER. FIBER TO THE PREMISES (FTTP) APPEARS THE MOST SUITABLE CHOICE FOR A LONG TERM OBJECTIVE: IF THE CLIENTS ARE WHOLLY SERVED BY OPTICAL FIBERS, IT WILL BE EASIER TO INCREASE THE BANDWIDTH IN THE FUTURE. FTTP BRING A FIBER CABLE TO AN INDIVIDUAL PROPERTY AND A SPECIFIC USER OR HOUSEHOLD.

THIS WEBINAR DISCUSSES THE INFRASTRUCTURE REQUIREMENTS FOR THE PURPOSE OF SETTING UP A COMMON AND INTEGRATED FIXED NETWORK DISTRIBUTION SYSTEM THAT SHALL BE MADE AVAILABLE IN THE BUILDINGS FOR CONSULTING ENGINEERS AND PROVIDES THE MINIMUM TECHNICAL SPECIFICATIONS NECESSARY FOR THE FIXED NETWORK TELEPHONY AND MULTI BROADBAND DISTRIBUTION SYSTEM AS REQUIRED IN BUILDINGS.

BIODATA OF SPEAKER

EN.ASRUL NAZRIN GRADUATED WITH DEGREE IN ELECTRICAL & ELECTRONICS ENGINEERING (HONS) FROM UNIVERSITI TENAGA NASIONAL AND HAS WIDE RANGE OF EXPERIENCE IN TELECOMMUNICATION ENGINEERING WITH OVER 20 YEARS OF PRACTICE. HE IS CURRENTLY ATTACHED WITH TELECOMMUNICATION ENGINEERING COLLEGE (TEC) FOR RF AND FIBER OPTIC TRAININGS AND A PRACTISING CONSULTANT INVOLVED IN MANY FTTX PROJECTS RANGING FROM RESIDENTIAL, INDUSTRIAL, EDUCATION FACILITIES AND COMMERCIAL BUILDINGS. HE SPECIALIZES IN FTTH NETWORK PLANNING, DESIGN AND IMPLEMENTATION AND HAS WORKED ON VARIOUS FTTH PROJECTS SUCH AS RAPID DEPLOYMENT FIBER, HSBB PROJECT, JENDELA FIBER INITIATIVE PROJECT AND HOUSING DEVELOPMENT PROJECTS AT KEDAH, PAHANG, MELAKA AND JOHOR. HE IS ALSO AN ACTIVE MEMBER OF MALAYSIA MALAYSIAN TECHNICAL STANDARDS FORUM BHD (MTSFB) FOR FIBER NETWORK FACILITIES GROUP WHICH EMPHASIZE ON CREATING A STANDARD GUIDELINE FOR FIBER OPTIC NETWORK.

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