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| ACTIVITY DESCRIPTION | STEP | INSPECTION FUNCTION | APPLICABLE STANDARD | ACCEPTANCE CRITERIA | SWMS | VAST INSPECTION | SIGNATURE | DATE | RECORDS/ REMARKS RESULTS |
| ASCERTAIN REQUIREMENTS OF SPECIFICATION FOR:  CURRENT CARRYING CAPACITY VOLTAGE DROP LIMITATIONS FAULT LOOP IMPEDENCE. | 1 |  |  |  |  |  |  |  |  |
| **CURRENT CARRYING CAPACITY**  DETERMINE A MINIMUM SIZE CABLE TO SATISFY THE CURRENT CARRYING CAPACITY REQUIREMENTS. REFER TO TABLE 2 IN AS/NZS 3008:1. APPLY DERATIVE / RATING FACTOR. | 2 |  | AS/NZS  3000:2007; AS/NZS 3008:1998 | COMPLIES |  |  |  |  |  |

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| ACTIVITY DESCRIPTION | STEP | INSPECTION FUNCTION | APPLICABLE STANDARD | ACCEPTANCE CRITERIA | SWMS | VAST INSPECTION | SIGNATURE | DATE | RECORDS/ REMARKS RESULTS |
| **VOLTAGE DROP LIMITATION**   1. DETERMINE BY CALCULATION VOLTAGE DROP % IN CONSUMER AND SUBMAINS CABLE. 2. CALCULATE MAX. LENGTH OF SUBCIRCUIT UTILISING THE FOLLOWING INPUTS;    1. 5% LESS % CALCULATED IN A) UNLESS SPECIFIED OTHERWISE.    2. CURRENT 50% OF C/B RATING. | 3 |  | AS/NZS 3000:2007; AS/NZS 3008:1998 | COMPLIES |  |  |  |  |  |

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| ACTIVITY DESCRIPTION | STEP | INSPECTION FUNCTION | APPLICABLE STANDARD | ACCEPTANCE CRITERIA | SWMS | VAST INSPECTION | SIGNATURE | DATE | RECORDS/ REMARKS RESULTS |
| **FAULT LOOP IMPEDENCE**  CALCULATE MAXIMUM CIRCUIT LENGTH IN METRES THAT WILL ENSURE CORRECT OPERATION OF PROTECTIVE DEVICES TO PROVIDE PROTECTION AGAINST INDIRECT CONTACT. TABLE B5.1 MAY BE UTILISED. HOWEVER THE TABLE DOES NOT PROVIDE DETAILS ON ALL POSSIBLE CONFIGURATIONS. | 4 |  | AS/NZS 3000:2007; AS/NZS 3008:1998 | COMPLIES |  |  |  |  |  |
| MAXIMUM LENGTH OF CIRCUIT WILL BE DETERMINED BY THE SHORTEST MAXIMUM LENGHTH CALCULATED IN EITHER OF VOLTAGE DROP OR FAULT LOOP IMPEDENCE CALCULATION. | 5 |  | AS/NZS 3000:2007; AS/NZS 3008:1998 | COMPLIES |  |  |  |  |  |

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| ACTIVITY DESCRIPTION | STEP | INSPECTION FUNCTION | APPLICABLE STANDARD | ACCEPTANCE CRITERIA | SWMS | VAST INSPECTION | SIGNATURE | DATE | RECORDS/ REMARKS RESULTS |
| A COPY OF ALL CALCULATIONS AND ASSUMPTIONS MADE IN DETERMINING CURRENT CARRYING CAPACITY AND MAXIMUM LENGTHS OF CIRCUIT IS TO BE ATTACHED TO THIS ITP. | 6 |  | AS/NZS 3000:2007; AS/NZS 3008:1998 | COMPLIES |  |  |  |  |  |
| OBTAIN APPROVAL FROM CONSULTING ENGINEER IF ANY OF THE ABOVE CONFLICT WITH THE SPECIFICATIONS. | 7 |  | AS/NZS 3000:2007; AS/NZS 3008:1998 | COMPLIES |  |  |  |  |  |
| CABLE SIZES AND LENGTHS OF CIRCUIT DETERMINED BY THE ABOVE PROCESS ARE TO BE INPUT TO STEP 3 OF ITP 02. |  |  |  |  |  |  |  |  |  |