

## Lifetime Warranty Coverage

### **Component Warranty**

All HCS components are warranted to be free from manufacturing defects in material or workmanship, under normal and proper use, subject to the terms & conditions of the HCS Component Warranty.

### **System Performance Warranty**


All HCS channels and permanent links are warranted to comply with the category the system is certified to, as indicated in the specific warranty.


### **Application Assurance Warranty**


All HCS networks are warranted to be free from defects which prevent the operation of standards based applications and protocols for the category which the system is certified to, as detailed in the attached Supported Application Table.

## HCS Definitions

An HCS Certified System is defined as follows:


 All the system components must be HCS approved passive connectivity products. Any active equipment, public network interface, or terminal equipment are not covered by the HCS Lifetime Warranty.

 The entire system must be installed and commissioned by an authorized HCS Certified Installer. Other installations are not covered by the HCS Lifetime Warranty.

 All equipment used in the installation must be installed and tested in full compliance to the practices specified in the HCS Manuals, according to relevant standards and with full compliance with the registered category performance.


 The entire system must be installed according to the INCREMENTAL INSTALLATION & TESTING PROCEDURE, detailed below.

## HCS Performance Commitment


 In case a certified HCS channel fails to comply with any of the warranted parameters an HCS expert will evaluate the HCS responsibilities under this warranty and provide the remedies promised herein. Any such repair or replacement shall be warranted under the terms of this warranty. In case the failure is proved to be caused by an HCS component the rectification of the system will be made at no cost to the end user. HCS will supply or repair all components free of charge and pay the labor costs associated with system fault diagnosis and rectification.


 The HCS Performance Commitment, The HCS Component Warranty, The HCS Performance Warranty and the HCS Application Assurance Quality are void in case the INCREMENTAL INSTALLATION & TESTING PROCEDURE is not followed & documented properly.


## Warranty Limitations

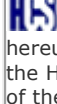
 Only the repair or replacement of elements in a Certified HCS network by HCS or by its designated Certified Installer is provided under this warranty.


 This warranty is limited to the original end user for whom it was installed and is not transferable.


 This warranty is only applicable to the transmission properties and applications of the category and standard to which the warranted channels or links were tested to, as indicated in the specific warranty. Updates, modifications and revisions of standards published after the date of testing may not be retroactively applied to this warranty.


 This warranty is only applicable to Channels and Links that were tested & reported. Failed or non-tested Links or Channels are automatically excluded from the warranty. Channel warranty is not applicable to Link warranty and vice-versa.


 This warranty is only applicable to fully ratified and published standards. HCS does not warrant the performance of its links and channels based on draft standard limits, even if they are available in field-test instruments.

 HCS makes no other representation or warranty of any other kind, expressed or implied with respect to the components sold hereunder, whether as to merchantability, fitness for a particular purpose or any other matter. Under no circumstances or conditions shall the HCS be liable or responsible for any claim of any buyer for costs, expenses, direct or consequential damages due to the use or misuse of the HCS products.

 This warranty does not cover failure of any HCS systems or components resulting from actions or events beyond the control of HCS including, without limitation, unauthorized or improper repairs, modifications, misuse, accidents, fire, water damage, excessive radiation and acts of God.

 This warranty does not include modular cords and terminated work-area cables.

 This warranty shall be expanded only to the extent required by applicable local law.

 The HCS sole liability relevant to the HCS Component Warranty is limited to the costs of the HCS components. HCS shall not be liable for any other costs, including but not limited to costs associated with components fault diagnosis, rectification and installation labor.

## HCS Cabling Systems Supported Application

Applications	Source	DataLink 100 CAT 5	DataLink 100e CAT 5e Class D	DataLink 250 CAT 6 Class E	DataLink 500A CAT 6A Class EA (*)	DataLink 600 CAT 7 Class F	DataLink 1000 CAT 7A Class FA (*)	DataLink 1200	DataLight 62.5/125µ MM FO	DataLight 50/125µ MM FO	DataLight 9/125µ SM FO
Token-Ring 4&16 Mbps	IEEE 802.5	YES	YES	YES	YES	YES	YES	YES	N/A	N/A	N/A
Token-Ring FO	IEEE 802.5j	N/A	N/A	N/A	N/A	N/A	N/A	N/A	YES	YES	NO
10BASE-T	IEEE 802.3j	YES	YES	YES	YES	YES	YES	YES	N/A	N/A	N/A
10BASE-F	IEEE 802.3j	N/A	N/A	N/A	N/A	N/A	N/A	N/A	YES	YES	NO
100BASE-TX	IEEE 802.3u	YES	YES	YES	YES	YES	YES	YES	N/A	N/A	N/A
100BASE-T4	IEEE 802.3u	YES	YES	YES	YES	YES	YES	YES	N/A	N/A	N/A
100BASE-FX	IEEE 802.3u	N/A	N/A	N/A	N/A	N/A	N/A	N/A	YES	YES	NO
1000BASE-T	IEEE 802.3ab	NO	YES	YES	YES	YES	YES	YES	N/A	N/A	N/A
1000BASE-F	IEEE 802.3z	N/A	N/A	N/A	N/A	N/A	N/A	N/A	YES	YES	YES
1000BASE-TX	TIA/EIA-854	NO	NO	YES	YES	YES	YES	YES	N/A	N/A	N/A
10GBASE-T	IEEE 802.3an	NO	NO	NO	YES	YES	YES	YES	N/A	N/A	N/A
ATM PMD 25.6 Mbps on TP	ATM Forum	YES	YES	YES	YES	YES	YES	YES	N/A	N/A	N/A
ATM PMD 51.8 Mbps on TP	ATM Forum	YES	YES	YES	YES	YES	YES	YES	N/A	N/A	N/A
ATM PMD 155 Mbps on TP	ATM Forum	YES	YES	YES	YES	YES	YES	YES	N/A	N/A	N/A
ATM PMD 155 Mbps on MMF	ATM Forum	N/A	N/A	N/A	N/A	N/A	N/A	N/A	YES	YES	YES
ATM PMD 1.2 Gbps on MM/SMF	ATM Forum	N/A	N/A	N/A	N/A	N/A	N/A	N/A	YES	YES	YES
ATM PMD 2.5 Gbps on MM/SMF	ATM Forum	N/A	N/A	N/A	N/A	N/A	N/A	N/A	YES	YES	YES
FDDI PMD	ANSI X3T9.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	YES	YES	NO
FDDI LCF PMD	ANSI X3.237	N/A	N/A	N/A	N/A	N/A	N/A	N/A	YES	YES	NO
FDDI SM PMD	ANSI X3.184	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO	NO	YES
FDDI TP-PMD	ANSI X3.263	YES	YES	YES	YES	YES	YES	YES	N/A	N/A	N/A

(\*) Not ratified - not included in HCS Century Lifetime Warranty Program.