Infovista® Solutions-Based (Users/Devices) and 5View™ Software Licensing January 2021

ANY MODIFICATIONS TO THE BELOW PRODUCT SPECIFIC TERMS
 REQUIRE PRIOR WRITTEN APPROVAL FROM THE PRICE COMMITTEE

| VistaInsight for Network Software | Specific License Usage Right |
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| VistaInsight® Solutions, Knowledge Packs, Application Optimization Manager, External Data Integration Modules | Each License shall be used for a single line of business or service of Licensee in conjunction with the VistaFoundation®that is limited to a number of devices and users by respective category. |
| VistaLink® for Alcatel-Lucent 5620 SAM | Each License may be installed and used on up to two (2) computers. Each License may be used and accessed by the number of users acquired by respective category for the number of devices acquired by respective category. |
| InfoVista® Server, VistaDiscovery®, VistaMart®, VistaMart® with DB, VistaPortal®, VistaCockpit®, VistaLink for Huaweï U2000, VistaConnectors, Vista360 | Each License may be installed and used on a single computer. Each License may function only once at any given time and be used and accessed by the number of users acquired by respective category for the number of devices acquired by respective category. Certain devices may require the purchase of Vista Plug-ins or third party agent technology for the polling of certain network and/or server data. |
| VistaFoundation®-Fail-Over | Each License may be used and accessed by the number of users by respective category acquired to access the VistaFoundation Software for the number of devices acquired by respective category, and only during those periods in which the VistaFoundation®Software has failed to function. |
| Named User | The unique registered and authorized named individual, IP address or the like, having full access to, and use of the Software. This user type is generally for a Licensee employee or subcontractor who administers the software and/or is authorized to create or modify configuration parameters of the software components (VistaPortal pages, Vista 360…) |
| Restricted User | The unique registered and authorized named individual, IP address or the like, having read only capabilities of the Software. This user type is generally for a Licensee employee or subcontractor who only access solution to view dashboards, VistaViews reports using VistaPortal or Vista360 |
| Large Enterprise Customer Named User | The unique registered and authorized named party (including all of its employees), employing or subcontracting with more than 200 individuals, under a written service agreement having read only capabilities of the software, including potentially live chart and fully customized reporting. This user type applies only to Service Providers as follows : 1 Company being a Service Provider's customer = 1 Large Enterprise Customer Named User |

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| SMB Customer Named User | The unique registered and authorized named party (including all of its employees), employing or subcontracting with no more than 200 individuals, under a written service agreement having read only capabilities of the software with fully standardized reporting (defined as all customers in the category using the same report definition), excluding live chart and customized reporting |
| Vista360 Named User | The unique registered and authorized named individual, IP address or the like, having full access to, and use of the Vista360 Software. |
| Very Small SP Network Device | A cable or DSL modem, gateway, router or similar equipment located at a residential subscriber physical address and enables residential subscribers to access voice, video and/or internet services of Licensee. |
| Small SP Network Device | *Includes the following device types :* |
| | 1) Network device located at a third-party (customer) location and limited to two (2) WAN interfaces, including LAN switches, LAN hubs, probes, Customer Edge (CE) or Customer Premise Equipment (CPE), router, broadband modem, network access server or alike |
| | 2) Cell site access router connected to one cell tower |
| | 3) Macro Radio Access Network (RAN) device that communicates directly with mobile handsets using an air interface protocol. Includes Base Transceiver Stations (BTS), Node-Bs and eNode-Bs. Each license of this device category includes the right to report on the logical cells that may constitute the radio site supported by this device |
| | 4) GPON (Gigabit Passive Optical Network) equipement such as a Multi-Dwelling Unit (MDU) connected to one single cell site or building, an Optical Network Terminal (ONT), or an Optical Network Unit (ONU) |
| | Excludes Extra Large NGN, Very Large NGN, Large SP and Medium Network Devices, servers and workstations |
| Medium SP Network Device | *Includes the following device types :* |
| | 1) Network device such as routers, switches, hubs, network access servers and probes which is part of the access or the aggregation network with an aggregated switching capacity lower than 320 Gbps. |
| | 2) Cell site access router connected to more than one cell tower and cell site aggregation router |
| | 3) Aggregation device such as an IP, ATM or Frame Relay DSLAM, or a CMTS device connecting residential subscribers for voice, video and/or broadband internet services |
| | 4) Network appliance that functions as a Load Balancer, a Firewall or alike |
| | 5) Data center and Storage Area Network (SAN) switching system with an aggregated switching capacity lower than 320 Gbps. |
| | 6) GPON (Gigabit Passive Optical Network) equipement such as a Multi-Dwelling Unit (MDU) network device connected to more than one cell sites or bulidings, or an Optical Line Termination (OLT) |
| | Excludes Extra Large NGN, Very Large NGN and Large Service Provider Network Devices, servers and workstations |
| Large SP Network Device | *Includes the following device types :* |
| | 1) Network device part of the access or the aggregation network with an aggregated switching capacity equal or greater than 320 Gbps and lower than 1,2 Tbps. |

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| | 2) Carrier-grade switching system or routing system with a total switching capacity lower than 1,2 Tbps |
| | 3) BRAS (Broadband Remote Access Server) |
| | 4) Content Services Gateway |
| | 5) Data center or SAN switching system with an aggregated switching capacity equal or greater than 320 Gbps and lower than 1,2 Tbps |
| | 6) Radio Network Controller (RNC) and Base Station Controller (BSC) |
| | 7) Core device in the Mobile Service Provider's Voice (CS) Core network that supports the establishment and switching of mobile voice calls. Devices include Mobile Switching Center (MSC or MSC Servers), Home Location Registers (HLRs), Mobile Soft Switches (MSS) and Mobile Media Gateways (MGWs) |
| Very Large NGN Device | Carrier-grade switching system or routing system or data center or SAN switching system with a total switching capacity equal or greater than 1,2 Tbps and lower than 2,4 Tbps |
| Extra Large NGN Device | Carrier-grade switching system or routing system or data denter or SAN switching system withing with a total switching capacity equal or greater than 2,4 Tbps or  SGSN (Serving GPRS Support Node) or GGSN (Gateway GPRS Support Node). |
| Unified Communications IP Phone | Device used to make a Voice Over IP call. Devices shall be acquired depending on the type of solution, configuration option or knowledge pack acquired. |
| LAN Enterprise Network Device | Network device such as LAN switches or hubs, with the exception of servers and workstations, which is part of the local area network infrastructure. |
| Standard Enterprise Network Device | Network device, with the exception of servers and workstations, which is part of the network infrastructure with a total switching capacity equal or lower than 320 Gbps or a Network appliances. |
| Large Enterprise Network Device | Network device, which is part of the network infrastructure with a total switching capacity greater than 320 Gbps. |
| WAN Optimization Device for Branches | WAN optimization network device that can be in appliance mode or a plug-in module in a branch router e.g. Cisco WAE/WAVE edge device. |
| WAN Optimization Device for Datacenters | WAN optimization network device that can be in appliance mode or a plug-in module in a data center router e.g. Cisco WAE/WAVE core device. |
| Server Device | Any individual physical host, including Cisco's Unified Computing System (UCS) blade, and any virtual machine including but not limited to VMWare VM, Sun Solaris Zone-Container, IBM LPAR, or HP VPAR running on a physical host. |
| Storage Device | Any unit of non-volatile data storage that is connected directly or indirectly to a physical host or virtual machine |
| Vista Plug-in® | Each License may be installed once and used on a single computer for the type purchased. |
| Radio Cell | Radio network object that can be uniquely identified by a User Equipment from a (cell) identification that is broadcasted over a geographical area from one Radio access point. |
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| **VistaInsight Software** | **Specific License Usage Right** |

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| VistaInsight - Service Provider Edition Solution | Each VistaInsight solution includes (i) VistaInsight Service Provider, Mobile Knowledge Pack and Broadband Knowledge Pack librairies, (ii) Mobile Counter Manager libraries (MCM) and (iii) unlimeted VistaPortal, Vista360, VistaCockpit and VistaDiscovery. Each license may be accessed (i) by the number of users and (ii) for the number of devices (including devices from which performance data are imported via VistaLink(s) and/or VistaBridge(s) and stored into VistaMart(s) and/or IV Servers) acquired by respective category and (iii) for a single Licensee legal entity. Each license shall be used in conjunction with VistaMart (includes database), SDM Server (includes database) and IV Server licenses and where necessary VistaLink, VistaBridge licenses. |
| VistaInsight - Enterprise Edition Solution | Each VistaInsight solution includes (i) VistaInsight Enterprise librairies and (iii) unlimeted VistaPortal, Vista360, VistaCockpit and VistaDiscovery. Each license may be accessed (i) by the number of users and (ii) for the number of devices (including devices from which performance data are imported via VistaLink(s) and/or VistaBridge(s) and stored into VistaMart(s) and/or IV Servers) acquired by respective category. Each license shall be used in conjunction with VistaMart (includes database), SDM Server (includes database) and IV Server licenses and where necessary VistaLink, VistaBridge licenses. |
| VistaInsight Devices for SPs | Network device is a virtual or physical network function part of the service provider network infrastructure and the performance data of which is stored in VistaMart. Each License may only be used for a single VistaInsight solution. |
| VistaInsight Small Devices for SPs | IT or network device (virtual or physical function or server) located at Licensee premissess, including LAN switches, LAN hubs, probes, Customer Edge (CE) or Customer Premise Equipment (CPE), router, broadband modem, or network access server, the performance data of which is stored in VistaMart. Where a Licensee site hase more than two (2) WAN interfaces, the said on premisses devices (LAN devices, CE, CPE...) of such site shall be counted as standard Devices and not Small Devices. RAN cells are considered Small Devices. Each License may only be used for a single VistaInsight solution. |
| VistaInsight Devices for Enterprises | Network device is a virtual or physical network function part of the enterprise network infrastructure and the performance data of which is stored in VistaMart. Each License may only be used for a single VistaInsight solution. |
| VistaInsight - Internal User | The unique registered and authorized named individual employee and IP address of Licensee or Licensee subcontractor, having full access to use and/or administrate VistaInsight. |
| VistaInsight - External Customer User | The unique registered and authorized named individual employee and IP address of Licensee customer or  its subcontractor, having read only capabilities on VistaInsight and its reports. |
| VistaBridge Development Kit | Each License may be installed and used on multiple computers. Each License may only be used for a single VistaInsight solution. |

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| VistaLink for Ericsson OSS-RC<br>VistaLink for Huawei U2000<br>VistaLink for ALU 5620 SAM<br>VistaLink for Ericsson Minilink<br>VistaLink for Nokia NetAct<br>VistaLink for ZTE NetNumen<br>IV Server<br>VistaMart<br>VistaMart Custom<br>SDM Server | Each License may be installed and used on a single computer or virtual server. Each License may only be used for a single VistaInsight solution. |
| IV Server for Test / Development<br>VistaMart - Test / Development License<br>VistaMart Custom - Test / Development License | Each License may be installed and used on a single computer for non-production (testing, development) purposes only. Each License may function only once at any given time and be used and accessed by the number of users and for the number of devices acquired by respective category. |
| IV Server for Fail-Over | Each License may be installed and used on a single computer for failover purposes only. Each License may only be used in production in replacement of a standard VistaInsight solution which is under failer and only as long as such solution is not in production due to its failer. Each License may function only once at any given time and be used and accessed by the number of users and for the number of devices acquired by respective category for the VistaInsight solution which is under failer. |
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| **5View Software and Appliances** | **Specific License Usage Right** |
| 5View<sup>TM</sup> Service Data Manager for Service Provider | Each License may be used on one single server. Each licence supports an unlimited number of Customers. |
| 5View<sup>TM</sup> Service Data Manager for Enterprise | Each License may be used on one single server. Each license is for corporate internal use only. |
| 5View<sup>TM</sup> SDM Configuration Options | Each configuration option is dedicated to a single 5View Service Data Manager license, and may be used up to the number of required respective appliances, devices, or instances acquired for each of them, except Mobile Counter Manager. |
| RAM (Reporting and Analysis Manager) | This configuration option is dedicated to a single 5View Service Data Manager license. It manages a given number of RAM devices. |

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| SAP instance | A single Service Access Point (SAP) instance which is an identifying label for network endpoints used in Open Systems Interconnection (OSI) networking |
| 5View<sup>TM</sup> NetFlow Appliance, 5View<sup>TM</sup> NetFlow SP Appliance | Each appliance may be used up to number of NetFlow records per seconde acquired by respective category. The software may only be used on the delivered appliance or a single computer if appliance is not provided with software. |
| 5View<sup>TM</sup> Application Appliance, 5View<sup>TM</sup> TeraCap Appliance | Each appliance may be used up to number of IP Communications acquired by respective category. Number of IP Communications shall mean the number of communications at any point in time between different pairs of IP addresses (source and destination). The software may only be used on the delivered appliance or a single computer if appliance is not provided with software. |
| 5View <sup>TM</sup> IP Services Appliance | Each appliance may be used up to the number of devices or operations acquired by respective category. Number of devices shall mean the number of SNMP or non-SNMP based devices, which are a part of the IT infrastructure. Example: router, switch or server. Number of operations shall mean the number of scheduled Cisco SLA end to end tests. The software may only be used on the delivered appliance. |
| 5View<sup>TM</sup> IP Alarm Appliance | Each appliance may be used up to the number of devices by respective category. Number of devices shall mean the number of IP devices, whose availability is being monitored by ICMP ping requests. The software may only be used on the delivered appliance or a single computer if appliance is not provided with software. |
| 5View<sup>TM</sup> eBanking Appliance | Each appliance may be used up to number of payment transactions acquired. The software may only be used on the delivered appliance. |
| 5View<sup>TM</sup> Mediation Server | Each License may be installed and used on a single server, and may function only once at any given time. Each License shall be used for a single type of 5View Appliance, and accessed by the number of 5View Appliance License for 5View Mediation acquired by respective category, and by the number of users acquired with 5View Mediation Open Client. 5View Mediation Server requires the purchase of at least one 5View Mediation Open Client license and one 5view Appliance License for 5view Mediation. |
| 5View<sup>TM</sup> Mediation Open Client | Each License may be installed and used on several computers, up to the number of users acquired. Each License may function only once at any given time. A user represents the unique registered and authorized named individual, IP address or the like, having full access to, and use of the Software. |
| 5View<sup>TM</sup> Appliance License for 5View Mediation | Each License may be installed and used on a single server. Each License may function only once at any given time and be used up to the number of IP communications, Events, Records and the granularity acquired. Number of Records shall mean the number of entries or line items that are contained in a database. |
| 5View<sup>TM</sup> Portal | Each License may be installed and used on a single server. Each License may function only once at any given time. |
| 5View<sup>TM</sup> Mediation Viewer | Each License may be installed and used on a single computer. Each License may function only once at any given time and used by one user. |
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| **5View AVS Pay-As-You-Grow** | **Specific Usage Rights** |

| AVS Site | One WAN (Wide Area Network) interface which provides connectivity to a specific customer premise, branch or location. |
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| Branch site | A Branch site is defined as having a bandwidth connectivity under 4Mbps (Megabits per second) |
| Corporate site | A Corporate site is defined as having bandwidth connectivity of between 4 and 50Mbps (Megabits per second). |
| Large Site | A Large Site is defined as having bandwidth connectivity of between 50Mbps and 1Gbps (Gigabits per second). |
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| **RAN Engineering Planning** | **Specific Usage Rights** |
| Planet, Planet Modules, Ellipse, Ellipse Modules, IBWave, Universal Model | Each License may be installed and used on a single computer. Each License may function only once at any given time per Shared or Standalone License. |
| Standalone License | A License that allows a single user to use the software on a single computer |
| Shared License, Fusion Web | A License that allows a single user to concurrently use the software |
| Fusion Server | Each License may be installed and used on a single computer, limited to the number of acquired Sector Licenses. Each License may function only once at any given time. Each Fusion Server License includes 5 Fusion Web Licenses |
| Sector | A portion of cell site area |
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| **RAN Engineering Optimization** | **Specific Usage Rights** |
| Xeus, Xeus Call Trace & TAMModules | Each License may be installed and used on a single computer. Each License may function only once at any given time per Shared or Standalone License. |
| Standalone License | A License that allows a single user to use the software on a single computer |
| Shared License, Fusion Web | A License that allows a single user to concurrently use the software |
| Xeda Configuration Management | Each License may be installed and used on a single computer, limited to the number of acquired Sector Licenses. Each License may function only once at any given time. Each Fusion Server License includes 5 Fusion Web Licenses |
| Xeda RAN Parser | Each License may be installed and used on a single server for each vendor-technology or unique combination of vendor and technology type. For example, Ericsson-GSM and Ericsson WCDMA are 2 vendor-technologies.) |
| Xeda Core Network Parser | Each License may be installed and used on a single server for each vendor-network node type or unique combination of vendor and network node. For example, Ericsson MSC and Huawei MSC are 2 vendor-network nodes.) |
| Xeda Configuration Management Cell | The logical construct within the EMS of each vendor |
| VistaNEO Shared Client | Each license may be installed and used on a single computer. Each License may function only once at any given time per Shared. |
| VistaNEO Standalone Client | Each license may be installed and used on a single computer. A License that allows a single user to use the software on a single computer |

| VistaNEO Parser | Each license may be installed and used for each vendor-technology or unique combination of vendor and technology type. For example, Ericsson-GSM and Ericsson WCDMA are 2 vendor-technologies.) |
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| **Ipanema Essential** | **Specific Usage Rights** |
| SALSA Platform for Multi-Tenant Managed Services Providers ("MSP") End User | Each license may be installed and used on one single instance to provide services to multiple licensee customers. Each license may only be used in conjunction with appliances (ip\|engines, nano\|engines...). |
| SALSA Platform for Single Enterprise End User | Each license may be installed and used on one single instance for licensee's internal purposes only. Each license may only be used in conjunction with appliances (ip\|engines, nano\|engines...). |
| Flexible Export Interface for SALSA-MSP Platform | This optional module is dedicated to a single SALSA Platform for Multi-Tenant MSP End User license. |
| Flexible Export Interface for SALSA-Enterprise Platform | This optional module is dedicated to a single SALSA Platform for Single Enterprise End User license. |
| ip\|engines, virtual\|engines, nano\|engines ("Appliances") | Each Appliance may only be used in conjunction with (1) ip\|agents and (2) a SALSA Platform. |
| ip\|agents (Application Visibility, QoS & Control, WAN Optimization, Dynamic WAN Selection, WAN Security, Network Rightsizing), tele\|engines (Application Visibility, QoS & Control) | Each software agent or tele\|engine may be activated and used up to the number of ISUs or PPUs and Sites acquired and allocated in accordance with the SALSA Platform configuration depending on the software agent or tele\|engine functionalities and on the type of appliance and the associated bandwidth. Each software agent may only be used on the delivered appliance or a single computer if the appliance is not provided with the agent. SSL WAN Optimization and IPsec VPN are subject to local regulation for encryption. |
| Cloud Application Directory | The Cloud Application Directory update service subscription provides the regular update of the Cloud Application Database.<br>The usage of such database is granted only when subscribed to the update service. |
| Ipanema Software Unit (ISU) | Units that provide the right to use and activate software agents or tele\|engines functionalities via the SALSA Platform. ISUs may solely be assigned or transferred within the same SALSA Platform domain. ISUs initially allocated for a specific MSP customer SALSA domain are limited to such customer SALSA domain and may not be assigned or transferred to, among or between, any different MSP customer SALSA domain. |

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| Virtual Ipanema Network Functions (VINF) | Virtual Units that provide the right to use and activate virtual\|engines (VIPE) via the SALSA Platform. VINFs may solely be assigned or transferred within the same SALSA Platform domain. VINFs initially allocated for a specific MSP customer SALSA domain are limited to such customer SALSA domain and may not be assigned or transferred to, among or between, any different MSP customer SALSA domain. |
| SALSA Domain | A SALSA Domain is related to a unique SALSA Platform, multi-tenant or single. SALSA domain is attached to a unique end user. An end user may have one or several domains. |
| Price Per User License for Application Vistibility (PPU_AV) | Each license allows a single human or computing device ("IT User) to, at least once during a month, connect to a SALSA Domain and access the Ipanema Application Visibility functionality, during the term of the subscription ("Term"), within the limits of subscribed Sites. PPU_AVs initially allocated for a specific SALSA Domain and Functionality are limited to such SALSA Domain and Functionality and may not be assigned or transferred to, among or between, any different SALSA Domain or Functionality. |
| Price Per User License for Application Control (PPU_AC) | Each license allows a single human or computing device ("IT User) to, at least once during a month, connect to a SALSA Domain and access the Ipanema Application Control functionality, during the term of the subscription ("Term"), within the limits of subscribed Sites. PPU_ACs initially allocated for a specific SALSA Domain and Functionality are limited to such SALSA Domain and Functionality and may not be assigned or transferred to, among or between, any different SALSA Domain or Functionality. Application Control includes Application QoS & Control and Dynamic WAN Selection. |
| Price Per User License for WAN Optomization (PPU_WO) | Each license allows a single human or computing device ("IT User) to, at least once during a month, connect to a SALSA Domain and Sites where an Appliance capable of WAN Optimization is installed, during the term of the subscription ("Term"), within the limits of subscribed Sites. PPU_WOs initially allocated for a specific SALSA Domain and Functionality are limited to such SALSA Domain and Functionality and may not be assigned or transferred to, among or between, any different SALSA Domain or Functionality. |
| Base Users (BU) | PPUs at the beginning of the Term for a Domain; all BU initially allocated to a Domain shall co-terminate with the same Term; the number of Base Users allocated to a Domain shall not be reduced during the Term |
| Add-on Users (AU) | PPus added to a Domain during the Term. The number of Add-on Users allocated to a specific Domain shall co-terminate with the Base Users allocated to such Domain at the end of the Term. The number of Add-on Users allocated to a Domain shall not be reduced during the Term |
| Site | A network point where an Appliance (ip\|engines, virtual\|engines, nano\|engines) or tele\|engine is installed |
| **Ipanema SD-WAN** | **Specific License and Usage Terms** |
| Site | Customer network's Point of Presence or SD-WAN Service deployment point in the Customer network, which is the basic component of any SD-WAN network architecture and the element Ipanema SD-WAN deployment Bill Of Material together with necessary Subscription Licenses is calculated against. Example Sites: Datacentre, Branch Office, Home office, Remote worker, IaaS VPC. Sites are divided in to Equipped Sites and Unequipped Sites. |

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| Equipped Site / Edge Platform | Ipanema SD-WAN deployment architecture Site with installed Edge Platform: ip\|engine appliance or virtual\|engine VNF |
| Unequipped Site | Ipanema SD-WAN deployment architecture Site defined in the system configuration as tele\|engine |
| SD-WAN Edge Platform form-factor | Equipped Site of Ipanema SD-WAN can be delivered as two main formats: 1) Hardware, being a proprietary appliance called ip\|engine running specialized Ipanema SD-WAN software, 2) Software, being a VNF image of the specialized Ipanema SD-WAN software designed to run on VM host machine. Edge Platform in order to perform its functions, requires to be paired with the Ipanema SD-WAN Orchestrator where a necessary Service Level Subscription license has to be assigned. |
| SD-WAN Edge Platform Max Performance | Edge Platforms are designed to reach specific maximum performance parameters presented as T-Shirt sizes. Available T-Shirt sizes: S,M,L,XL,XXL. Each T-Shirt size represents maximum capabilities in terms of: number of Users, total number of connections, maximum throughput for bridge traffic, maximum throughput for encrypted traffic, max WAN Optimization traffic, SRE connections, SSL optimization Server and Client side connections, overlay tunnels. Eg. ipe-30-so max performance is "S - Small". Edge Platform in order to perform its functions with expected performance, requires a suitable T-Shirt size of a Service Level Subscription license. |
| SD-WAN Edge Platform Max Service Level | Edge Platforms are designed to deliver specific functionality reflected by supported Ipanema SD-WAN license Service Level, which depend on Edge Platform physical characteristics. Adoption of specific features may depend on: 1) form-factor (appliance/VM), 2) WH revision of appliance. eg. ip\|engine ipe-30-so will support "Foundation" Service Level of size "S - Small" and will deliver WAN-LAN Bypass functionality, whereas virtual\|engine will support "Foundation" Service Level of size "S - Small" but won't deliver the WAN-LAN Bypass functionality |
| Max Bridge Throughput | Maximum achievable throughput of Layer2/bridge network traffic traversing Ipanema SD-WAN Edge Platform, when the entry and exit interfaces are configured in bridge mode. |
| Max Encrypted Throughput | Maximum achievable throughput of routed network traffic traversing Ipanema SD-WAN Edge Platform, when either entry or exit interface are configured in routed mode on which interface traffic is sent over an encrypted Ipanema SD-WAN proprietary overlay tunnel |
| ip\|engine, SD-WAN Appliance (aka ipe, ip\|e) | Proprietary HW appliance designed to host Ipanema SD-WAN Edge Platform software. ip\|engine HW is offered in multiple models, which can support different SD-WAN Edge Platform Max Performance and Service Levels |
| virtual\|engine, SD-WAN VNF (aka vipe, v-ipe) | Virtual Machine/Virtual Network Function image containing Ipanema SD-WAN Edge Platform software. VM/VNF is designed to run on top of 3rd party Hardware (VM Host Machine or uCPE). virtual\|engine scales automatically to a specific Max Performance T-Shirt size based on available resources, eg. v-ipe allocated with 1 vCPU, 2GB RAM will support up to "S - Small" Max Performance T-Shirt size. |

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| Orchestrator | Software component of the Ipanema SD-WAN solution, located in the Microsoft Azure Cloud. Orchestrator is hosted, operated and maintained by Infovista CloudOps Teams, who is the only party granted access the underlying components of the platform including Microsoft Azure portal, Operating Systems, etc. Orchestrator delivers services for multiple Customers in a multi-tenant fashion. Tenants are separated between each other based on software mechanisms including amongst others, unique login credentials granting exclusive access to Tenant's data. Orchestrator physical location remains in Infovista full discretion, follows the granularity offered by Microsoft Azure regions and is declared in SD-WAN Cloud Service Description document. Functionality delivered by Orchestrator includes amongst others: Zero Touch Provisioning, Edge Platform configuration, License Management, Supervision, Alerting, Reporting. |
| Tenant levels | Granularity defining the Multi-tenancy model offered by the Ipanema SD-WAN Orchestrator. Supported levels: VAD, Partner, MSP, End Customer. |
| End Customer | Lowes supported Tenancy level identifying directly the Customer/Account using the Ipanema SD-WAN system. End Customer can have access to the Orchestrator. Edge Platforms are deployed inside the End Customers physical wide area network. |
| Delivery Models: SaaS, CAPEX, OPEX | Ipanema SD-WAN Orchestrator is delivered as a Cloud Service (SaaS). On the contrary Edge Platforms are acquired by Customer based on a one-time fee (CAPEX). Service Level functionality executed on the Edge Platforms and certain Orchestrator modules are controlled using Subscription Licenses (OPEX). |
| Domain | Domain represents a partition on Ipanema SD-WAN Orchestrator, that serves as the lowest denominator for multi-tenancy granularity in the system. One domain represents a single Tenant/End Customer. Domain is the logical entity versus which the Ipanema SD-WAN licenses are allocated and consumed. Eg. "Foundation" Service Level license is allocated to a domain and once paired with a configured Edge Platform in the same domain, the Service Level license starts being consumed by the Orchestrator platform on monthly intervals |
| Licenses | Licensable objects allowing End Customer to use the Ipanema SD-WAN features available on Orchestrator and Edge Platform. Two main license types are available: one-time-use license and subscription license. Licenses are made available for End Customer use on the Orchestrator, no other license distribution method is available. Set of licenses currently assigned to a End Customer is stored in a SW Inventory available per Domain on the Orchestrator. |
| License Inventory | License store available on Orchestrator for a specific Tenant presenting a set of Licenses applicable to the Tenancy level and privilege set. ONLY the Domain (End Customer level Tenancy) offers capability to start consuming Licenses by setting them "In Use". In the Domain Level license inventory licenses are grouped by the fines granularity of the licensable object type, eg. "Foundation" Service Level "S - Small" is the finest license granularity. |
| One-time-use license | Specific License type designed to unlock capability on the Domain level. On-time-use license is valid until Domain that it was consumed in exists. One-time-use licenses disappear with the event of removing the Domain from Orchestrator. Existing one-time-use licenses: ISD-VNF, ISD-ACTPLAT, ISD-ACTHAPLAT, ISD-ACTDOM |

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| Subscription license | Leading licensing model of Ipanema SD-WAN solutions reflecting the contractual nature of the product being set-term Subscription. Subscription licensing rules apply to Service Level licenses and Optional licenses both applicable on Edge Platform and Orchestrator modules. Subscription licenses are offered between 1 to 72 months term. Subscription license consumption model principles: 1) license has to be assigned to a Domain; 2) license needs to reach "in use" state; 3) license is consumed in 1Month chunks; Example: 1Year "Foundation" Service Level license is assigned to a Domain, "Foundation" Service Level license is marked "In Use" at the time of the License Start Date, 1 Month from the 1Year license is consumed leaving 11Months available in the license; |
| Configuration Bill | Summary of the configuration made in a Domain, designed to specify the Licenses necessary to satisfy the configuration. Configuration Bill verifies that the required Licenses are currently active in License Inventory. Eg. a 1Year "Foundation" Service Level "S - Small" License |
| Fair Consumption | Orchestrator on daily basis generates Domain wide configuration report checking if the current Domain configuration reflects the number of consumed licenses set in "In Use". Fair Consumption model also looks after Subscription Licenses expiry by discarding the expired 1 Month license chunks and replacing them with suitable 1 Month license chunks available in the Inventory. |
| Domain Activation License | One-time-use license initiating the process of creating a new Domain in the Ipanema SD-WAN Orchestrator; license needs to be ordered for each new End Customer or new Domain for existing End Customer. SKU: ISD-ACTDOM |
| Platform Activation License | One-time-use license granting access for an Edge Platform to Ipanema SD-WAN Orchestrator; number of licenses needs to reflect the number of Sites planned to provision in a Domain. SKU: ISD-ACTPLAT |
| HA Platform Activation License | One-time-use license granting access for a HA paired (secondary) Edge Platform to Ipanema SD-WAN Orchestrator; License will work only in tandem with an existing or newly provisioned Platform Activation license; number of ordered licenses needs to reflect the number of HA pairs planned to provision in a Domain. SKU: ISD-ACTHAPLAT |
| VNF Software Image SKU | SKU granting the capability to download a virtual\|engine software image. Each SKU needs to represent an unique country of implementation. SKU: ISD-VNF |
| ZTP | Zero Touch Provisioning is a module of Ipanema SD-WAN Orchestrator responsible for Edge Platform automated configuration. Edge Platforms need to request connection to the ZTP Server using an Internet connection. ZTP is configured from the Orchestrator |
| DWS | Dynamix WAN Selection is a proprietary Ipanema SD-WAN Edge Platforms feature, offering capability of path selection between available transport networks. DWS is configured from the Orchestrator |
| ZBF | Zone Based Firewall is a feature set executed by Ipanema SD-WAN Edge Platform, comprising a stateless and a stateful firewall, Overlay Policy, Direct To Internet, backhauling and Web Security Gateway access. ZBF capabilities are configured from the Orchestrator |
| HA | High Availability is a specific deployment architecture enabling resiliency against Hardware failures, where two Ipanema SD-WAN Edge Platforms located in a single Site form a logical pair where one Edge Platform operates as active and |

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| | the other as standby. Standby platform doesn't process any traffic until failover mechanism is triggered promoting standby platform to active. HA pair need to be created out of similar Edge Platform models running similar Service Level licenses. |
| WANopt | WAN Optimization is a functionality delivered by a pair of Ipanema SD-WAN Edge Platforms applying techniques of data compression and deduplication on traffic traversing both Edge Platforms. WANopt capabilities are configured from the Orchestrator |
| CAD | Cloud Applications Database is a functionality allowing detecting a predefined set of SaaS applications hosted in the Internet. CAD runs based on a dictionary regularly updated by Infovista. Infovista is the sole owner of the dictionary and doesn't transfer any ownership rights to users of Ipanema SD-WAN solution. CAD is configured from the Orchestrator. |
| SSL Optimization | SSL Optim is a feature that enables WANopt (i.e. user data deduplication) performing on SSL encrypted traffic by decrypting/reencrypting user traffic in both client-side ip\|engine and server-side ip\|engine. This feature requires specific credentials that are configured from the Orchestrator |
| Service Level: Essential Cloud | Essential Cloud Service Level License are no longer sold starting on the 20.12 GA date and customers who have purchased this service level will have their licenses migrated to Foundation Service Level - S, for the duration of their initial purchase. Foundation exceeds the capabilities of Essential Cloud.<br><br>Subscription License permitting deployment, configuration and operation of an Unequipped Site. SKU format: ISD-EC-Txx ("x" declares term for the license; x=1,12,24,36,60).Specific capabilities: 1) ZTP: no; 2) Bridge WAN interface: "0"; 3) DWS: no; 4) Routed WAN interface: "0"; 5) Overlay/tunnelling: no; 6) ZBF: no; 7) HA: no; 8) WANopt: no; 9) Visibility: yes; 10) Control: yes; 11) CAD: yes; 12) SSL Optimization: yes |
| Subscribed Site Performance | Service Level and Optional licenses applicable to Equipped Sites / Edge Platforms follow a sizing guidelines defining the level of licensed capabilities. Subscribed Site Performance follows a T-Shirt size model: S,M,L,XL,XXL. For each SKU characterized by a T-Shirt size the top level licensed capabilities will be defined in the latest Ipanema SD-WAN price list. |
| Service Level: Advanced | Advanced Service Level Licenses are no longer sold starting on the 20.12 GA date and customers who have purchased this service level will have their licenses migrated to Hybrid Service Level with a T-Shirt size corresponding to their Advanced License, for the duration of their initial purchase.<br><br>Subscription License permitting deployment, configuration and operation of an Equipped Site / Edge Platform. SKU format: ISD-ADV-yyyTxx ("y" defines the T-Shirt Performance size of the license; y=S,M,L,XL,XXL; "x" declares term for the license; x=1,12,24,36,60). Subscribed Site Performance T-Shirt sizing guidelines for Advanced Service Level licenses are available in the latest Ipanema SD-WAN pricelist; Specific capabilities: 1) ZTP: yes; 2) Bridge WAN interface: "3"; 3) DWS: yes; 4) Routed WAN interface: "1"; 5) Overlay/tunnelling: yes; 6) ZBF: yes; 7) HA: no; 8) WANopt: optional (separate license); 9) Visibility: yes; 10) Control: yes; 11) CAD: yes; 12) SSL Optimization: yes; |

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| Service Level: Premium | Premium Service Level Licenses are no longer sold starting on the 20.12 GA date and customers who have purchased this service level will have their licenses migrated to Hybrid Service Level with a T-Shirt size corresponding to their Premium License, for the duration of their initial purchase. These customers will also receive a WAN Optimization optional license with a T-Shirt size corresponding to their Premium License, for the duration of their initial purchase.<br><br>Subscription License permitting deployment, configuration and operation of an Equipped Site / Edge Platform. SKU format: ISD-PRE-yyyTxx ("y" defines the T-Shirt Performance size of a license; y=S,M,L,XL,XXL; "x" declares term for the license; x=1,12,24,36,60). Subscribed Site Performance T-Shirt sizing guidelines for Premium Service Level licenses are available in the latest Ipanema SD-WAN pricelist; Specific capabilities: 1) ZTP: yes; 2) Bridge WAN interface: "3"; 3) DWS: yes; 4) Routed WAN interface: "3"; 5) Overlay/tunnelling: yes; 6) ZBF: yes; 7) HA: yes; 8) WANopt: yes; 9) Visibility: yes; 10) Control: yes; 11) CAD: yes; 12) SSL Optimization: yes; |
| Service Level: Foundation | Subscription License permitting deployment, configuration and operation of an Equipped Site / Edge Platform. SKU format: ISD-FND-yyy ("y" defines the T-Shirt Performance size of the license; y=S,M,L,XL,XXL). License duration can be anywhere from 1 month to 72 months. SKU format can also be represented as ISD-FND-yyyTxx where "xx" defines the duration of the license in terms of months. Subscribed Site Performance T-Shirt sizing guidelines for Foundation Service Level licenses are available in the latest Ipanema SD-WAN pricelist; Specific capabilities: 1) ZTP: yes; 2) Bridge WAN interface: "3"; 3) DWS: yes; 4) Routed WAN interface: "0"; 5) Overlay/tunnelling: no; 6) ZBF: yes (VPN segmentation); 7) HA: VRRP in router mode and no separate HA License; 8) WANopt: optional (separate license); 9) Visibility: yes; 10) Control: yes; 11) CAD: yes; 12) SSL Optimization: yes; 13) support for tele\|engine site: yes, without bandwidth limitation (tshirt size doesn't apply); 14) support for equipped site: yes |
| Service Level: Hybrid | Subscription License permitting deployment, configuration and operation of an Equipped Site / Edge Platform. SKU format: ISD-HYB-yyy ("y" defines the T-Shirt Performance size of the license; y=S,M,L,XL,XXL). License duration can be anywhere from 1 month to 72 months. SKU format can also be represented as ISD-HYB-yyyTxx where "xx" defines the duration of the license in terms of months. Subscribed Site Performance T-Shirt sizing guidelines for Hybrid Service Level licenses are available in the latest Ipanema SD-WAN pricelist; Specific capabilities: 1) ZTP: yes; 2) Bridge WAN interface: "3"; 3) DWS: yes; 4) Routed WAN interface: "3"; 5) Overlay/tunnelling: yes; 6) ZBF: yes ; 7) HA: optional (separate license); 8) WANopt: optional (separate license); 9) Visibility: yes; 10) Control: yes; 11) CAD: yes; 12) SSL Optimization: yes; 13) support for tele\|engine site: yes, without bandwidth limitation (tshirt size doesn't apply); 14) support for equipped site: yes |

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| Service Level: Edge | Subscription License permitting deployment, configuration and operation of an Equipped Site / Edge Platform. SKU format: ISD-EDG-yyy ("y" defines the T-Shirt Performance size of the license; y=S,M,L,XL,XXL). License duration can be anywhere from 1 month to 72 months. SKU format can also be represented as ISD-EDG-yyyTxx where "xx" defines the duration of the license in terms of months. Subscribed Site Performance T-Shirt sizing guidelines for Edge Service Level licenses are available in the latest Ipanema SD-WAN pricelist; Specific capabilities: 1) ZTP: yes; 2) Bridge WAN interface: "3"; 3) DWS: yes; 4) Routed WAN interface: "3"; 5) Overlay/tunnelling: yes; 6) ZBF: yes ; 7) HA: optional (separate license); 8) WANopt: optional (separate license); 9) Visibility: yes; 10) Control: yes; 11) CAD: yes; 12) SSL Optimization: yes; 13) support for tele\|engine site: yes, without bandwidth limitation (tshirt size doesn't apply); 14) support for equipped site: yes |
| Optional license: WAN Optimization | Subscription License applicable as an addition to the Service Level licenses permitting enabling, configuration and usage of the WAN Optimization functionality. "WAN Optimization" Optional License T-Shirt size should follow the Service Level Subscribed Size Performance deployed on the Edge Platform. SKU format: ISD-WO-yyy ("y" defines the T-Shirt Performance size of a license; y=S,M,L,XL). SKU format could also be like ISD-WO-yyyTxx where "xx" declares the term for the license from 1 month to 72 months. |
| Optional license: Enhanced Reporting | Domain wide subscription License applicable as an addition to the Service Level licenses enabling and usage of the Enhanced Reporting functionality. "Enhanced Reporting" Optional License T-Shirt size should follow the total number of sites in a customer Domain. SKU format: ISD-ENHR-yyy ("y" defines the T-Shirt size of a license; y=S,M,L,XL; T-shirt size of a license dictates how many sites Enhanced Reporting license can support up to). SKU format could also be like ISD-ENHR-yyyTxx where "xx" declares the term for the license from 1 month to 72 months. |
| Consumption licenses | Alternative licensing model of Ipanema SD-WAN solutions reflecting the flexibility nature of SD-WAN market. There are two consumption licenses. 1) ISD-USG-COMT, 2) ISD-USG-OVRU. ISD-USG-COMT reflects total revenue commitment of a contract, which is broken down into quarterly commitments in the Order Schedule. Within the Order Schedule of a consumption model contract, monthly prices of all service level and optional licenses are set. Customer can utilize as many licenses as they would like, as long as total value of the licenses consumed within a quarter does not exceed the quarterly commitment they are in. If total value of the licenses consumed exceed more than 5% of the quarterly commitment, overconsumption occurs. ISD-USG-OVRU is the SKU to invoice customers on the quarterly overconsumption value. Calculation is done by multiplying the extra usage with the overconsumption multiplier in the Order Schedule. |
| ZBF | Zone Based Firewall is a feature that provides VPN segmentation and Internet traffic management policies. From the central cloud hosted orchestrator, the customer may segment their VPN by Zones, and configure permissions for zones to communicate together. This configuration results in firewalling rules enforced by each appliance in the domain. ZBF also allows Customer to configure, per source Zone and remote Internet Application, the way internet |

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| | traffic must be handled. Available policies include: drop, backhaul in datacenter, backhaul in a cloud hosted WSG, or send directly to internet. |
| Optional license: HA | Subscription License applicable as an addition to the Service Level licenses permitting enabling, configuration and usage of the HA functionality. "High Availability" Optional License T-Shirt size should follow the Service Level Subscribed Size Performance deployed on the Edge Platform. SKU format: ISD-zzz-yyy-HA ("y" defines the T-Shirt Performance size of a license; y=S,M,L,XL,XXL; "z" defines Service Level of a license). SKU format could also be like ISD-zzz-yyyTxx-HA where "xx" declares the term for the license from 1 month to 72 months. In order to utilize HA functionality, a site should have an existing Service Level license along with an HA pair of devices. HA Optional license can be activated on the second device of HA pair. |
| **Network Testing** | **Specific Usage Rights** |
| TEMS Pocket, TEMS Discovery, TEMS Investigation, TEMS Monitor Master, TEMS Automatic, TEMS Paragon, TEMS Sense, TEMS Voyager, TEMS Director | Each software or firmware License may only be used on the delivered hardware appliance. If the hardware appliance is not provided with the software or firmware, each License may be installed and used on a single hardware device. Each License may function only once at any given time per user license. |
| TEMS Products for Third Party Components | · Product code shall be used only for non-standard (IV listed) tablets, phones or servers |
| | · These equip are not supported or warranted by IV but instead is covered under the manufacturer's standard warranty |
| | · Infovista support team is not responsible for the support and troubleshooting of these 3rd party components. |
| | · All CPQ quotes submitted containing such product code should be accompanied by an official supplier quote – approved by the Supply organization |
| | · A detailed description of the items to be delivered is required in the quotation. |
| | · Failure to adhere by the above shall result in the systematic the rejection of your quote. |