Oracle® Communications
Session Border Controller – S-Cz8.3.0

**Program Documentation – License Document**January 2021

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Product	Subproduct	Licensing Description
		admission control) failures.  IDS Advanced – This feature adds the ability to track total number of rejected SIP calls system-wide.  National Emergency Services (NSEP) - Enables support for Emergency Telecommunications Service (ETS), which gives priority treatment for National Security and Emergency Preparedness (NSEP) communications in IP network infrastructures.  Prerequisite Products  Acme Packet 3900, 4600, 6100, 6300 or 6350 platform  Entitled Products and Restricted Use Licenses  N/A
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Product	Subproduct	Licensing Description
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		<b>SIP</b> (Session Initiation Protocol) – Enables all SIP functionality including IMS P-CSCF functionality.
		<b>TLS</b> (Transport Layer Security) – This feature enables cryptographic security for the SIP protocol. <u>Exceptions</u> : Not applicable to SBC VNF. Requires separate TLS license.
		HA (High Availability) - Enables sending and receiving HA heartbeat and check-pointing messages to an HA Peer and take over or relinquish Active status. Allows configuration of the redundancy configuration object.
		<b>DOS</b> – Enables Denial of Service protection functionality that protects network infrastructure, including the SBC, by

Product	Subproduct	Licensing Description
Product	Oracle Communications Peering Session Border Controller – Network- Wide Concurrent Session Perpetual	providing signaling and media traffic attack detection and policing, and static and dynamic access control.  IDS (Intrusion Detection) – Allows configuration of traps sent when endpoints are demoted to "denied" status.  Allows configuration of syslog messages to be recorded when endpoints are demoted to "denied" status. Enables dynamic demotion of endpoints based upon CAC (call admission control) failures.  IDS Advanced – This feature adds the ability to track total number of rejected SIP calls system-wide.  National Emergency Services (NSEP) - Enables support for Emergency Telecommunications Service (ETS), which gives priority treatment for National Security and Emergency Preparedness (NSEP) communications in IP network infrastructures.  Pre-requisite Products  Acme Packet 3900, 4600, 6100, 6300, or 6350 platform OR  Supported virtualized platform  Entitled Products and Restricted Use Licenses N/A  Product Editions and Permitted Features  This license enables a number of concurrent peering sessions by Oracle Communications Session Border Controller (perpetual session capacity) for SIP. This feature license does not include the capability to handle endpoint registrations (registration caching) or surrogate registrations.
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		ACP (Acme Control Protocol) - Allows Oracle Communications Session Border Controller system to respond to external ACP requests (required for Oracle Communications Session Delivery Management Suite).
		SIP (Session Initiation Protocol) – Enables all SIP functionality including IMS P-CSCF functionality.
		<b>TLS</b> (Transport Layer Security) – This feature enables cryptographic security for the SIP protocol.  Exceptions: Not applicable to SBC VNF. Requires separate TLS license.

Product	Subproduct	Licensing Description
		HA (High Availability) - Enables sending and receiving HA heartbeat and check-pointing messages to an HA Peer and take over or relinquish Active status. Allows configuration of the redundancy configuration object.
		<b>DOS</b> – Enables Denial of Service protection functionality that protects network infrastructure, including the SBC, by providing signaling and media traffic attack detection and policing, and static and dynamic access control.
		IDS (Intrusion Detection) – Allows configuration of traps sent when endpoints are demoted to "denied" status.  Allows configuration of syslog messages to be recorded when endpoints are demoted to "denied" status. Enables dynamic demotion of endpoints based upon CAC (call admission control) failures.
		IDS Advanced – This feature adds the ability to track total number of rejected SIP calls system-wide.
		National Emergency Services (NSEP) - Enables support for Emergency Telecommunications Service (ETS), which gives priority treatment for National Security and Emergency Preparedness (NSEP) communications in IP network infrastructures.
		Pre-requisite Products
		Acme Packet 3900, 4600, 6100, 6300, or 6350 platform
		OR
		Supported virtualized platform
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	Oracle Communications	Product Editions and Permitted Features
	Transcoding Session Border Controller – Network-Wide Concurrent Session Perpetual	This license enables a number of concurrent transcoding sessions by Oracle Communications Session Border Controller (perpetual session capacity) for SIP protocol in a pooled transcoding configuration. A transcoding session license is consumed when an OCSBC operating in pooled transcoding configuration performs transcoding function for a single session.
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		This license (available on a per network-wide concurrent session basis) also provides access to base Operating System and basic node management functions such as CLI (Command Line Interface), FTP (file transfer protocol) and SNMP (Simple Network Management Protocol). The following features are available with this license:

Product	Subproduct	Licensing Description
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	Oracle Communications Session Border Controller – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  This license enables a number of concurrent sessions by Oracle Communications Session Border Controller (perpetual session capacity) for SIP. This feature license includes the capability to handle endpoint registrations (registration caching) and surrogate registrations.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period. This license also provides access to base Operating System and basic node management functions such as CLI (Command Line Interface), FTP (file transfer protocol) and SNMP (Simple Network Management Protocol). The following features are available with this license:  ACP (Acme Control Protocol) - Allows Oracle Communications Session Border Controller system to respond to external ACP requests (required for Oracle Communications Session Delivery Management Suite).  SIP (Session Initiation Protocol) - Enables all SIP functionality including IMS P-CSCF functionality.  TLS (Transport Layer Security) - This feature enables cryptographic security for the SIP protocol.  Exceptions: Not applicable to SBC VNF. Requires separate TLS license.

Product	Subproduct	Licensing Description
		HA (High Availability) - Enables sending and receiving HA heartbeat and check-pointing messages to an HA Peer and take over or relinquish Active status. Allows configuration of the redundancy configuration object.  DOS — Enables Denial of Service protection functionality that protects network infrastructure, including the SBC, by providing signaling and media traffic attack detection and policing, and static and dynamic access control.  IDS (Intrusion Detection) — Allows configuration of traps sent when endpoints are demoted to "denied" status.  Allows configuration of syslog messages to be recorded when endpoints are demoted to "denied" status. Enables dynamic demotion of endpoints based upon CAC (call admission control) failures.  IDS Advanced — This feature adds the ability to track total number of rejected SIP calls system-wide.  National Emergency Services (NSEP) - Enables support for Emergency Telecommunications Service (ETS), which gives priority treatment for National Security and Emergency Preparedness (NSEP) communications in IP network infrastructures.  Pre-requisite Products  Acme Packet 3900, 4600, 6100, 6300, or 6350 platform OR  Supported virtualized platform  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Peering Session Border Controller – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  This license enables a number of concurrent peering sessions by Oracle Communications Session Border Controller (perpetual session capacity) for SIP. This feature license does not include the capability to handle endpoint registrations (registration caching) or surrogate registrations.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period. This license also provides access to base Operating System and basic node management functions such as CLI (Command Line Interface), FTP (file transfer protocol) and SNMP (Simple Network Management Protocol). The following features are available with this license:  ACP (Acme Control Protocol) - Allows Oracle Communications Session Border Controller system to respond to external ACP requests (required for Oracle

Product	Subproduct	Licensing Description
		Communications Session Delivery Management Suite).  SIP (Session Initiation Protocol) – Enables all SIP functionality including IMS P-CSCF functionality.  TLS (Transport Layer Security) – This feature enables cryptographic security for the SIP protocol.  Exceptions: Not applicable to SBC VNF. Requires separate TLS license.  HA (High Availability) - Enables sending and receiving HA
		heartbeat and check-pointing messages to an HA Peer and take over or relinquish Active status. Allows configuration of the redundancy configuration object.
		<b>DOS</b> – Enables Denial of Service protection functionality that protects network infrastructure, including the SBC, by providing signaling and media traffic attack detection and policing, and static and dynamic access control.
		IDS (Intrusion Detection) – Allows configuration of traps sent when endpoints are demoted to "denied" status. Allows configuration of syslog messages to be recorded when endpoints are demoted to "denied" status. Enables dynamic demotion of endpoints based upon CAC (call admission control) failures.
		IDS Advanced – This feature adds the ability to track total number of rejected SIP calls system-wide.
		National Emergency Services (NSEP) - Enables support for Emergency Telecommunications Service (ETS), which gives priority treatment for National Security and Emergency Preparedness (NSEP) communications in IP network infrastructures.
		Pre-requisite Products
		Acme Packet 3900, 4600, 6100, 6300, or 6350 platform OR
		Supported virtualized platform
		Entitled Products and Restricted Use Licenses
		This license is only applicable to peering (interconnect) Session Border Controller configuration.
	Oracle Communications Transcoding Session Border Controller – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  This license enables a number of concurrent transcoding sessions by Oracle Communications Session Border  Controller (perpetual session capacity) for SIP protocol in a pooled transcoding configuration. A transcoding session license is consumed when an OCSBC operating in pooled transcoding configuration performs transcoding function for a single session.  This feature license does not include royalty-bearing CODEC

Product	Subproduct	Licensing Description
		use which is licensed separately.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period. This license also provides access to base Operating System and basic node management functions such as CLI (Command Line Interface), FTP (file transfer protocol) and SNMP (Simple Network Management Protocol). The following features are available with this license:  ACP (Acme Control Protocol) - Allows Oracle Communications Session Border Controller system to respond to external ACP requests (required for Oracle Communications Session Delivery Management Suite).  SIP (Session Initiation Protocol) – Enables all SIP functionality on the Oracle Communications Session Border Controller, including IMS P-CSCF functionality.  TLS (Transport Layer Security) – This feature enables cryptographic security for the SIP protocol.  Exceptions: Not applicable to SBC VNF. Requires separate TLS license.  HA (High Availability) - Enables sending and receiving HA heartbeat and check-pointing messages to an HA Peer and take over or relinquish Active status. Allows configuration of the redundancy configuration object.  Pre-requisite Products  Acme Packet 4600, 6300, or 6350 platform with transcoding module(s)  Entitled Products and Restricted Use Licenses  This license is only applicable to pooled transcoding Session Border Controller configurations.
	Session Ca	apacity Based Licenses
	Oracle Communications Session Border Controller, Accounting – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  Allows Oracle Communications Session Border Controller to create call accounting records using either Radius or Diameter (via the Rf interface), or by collecting the information in flat files that can stored locally or pushed via FTP to an external server.  Pre-requisite Products  Oracle Communications Session Border Controller — Integrated Software Option session capacity  OR  Oracle Communications Peering Session Border Controller — Integrated Software Option session capacity

Product	Subproduct	Licensing Description
		This license requires an equal number of ISO session capacity licenses.
		Entitled Products and Restricted Use Licenses N/A
	Oracle Communications Session Border Controller, Accounting – Network-Wide Concurrent Session Perpetual	Product Editions and Permitted Features  Allows Oracle Communications Session Border Controller to create call accounting records using either Radius or Diameter (via the Rf interface), or by collecting the information in flat files that can stored locally or pushed via FTP to an external server.
		Pre-requisite Products
		Oracle Communications Session Border Controller session capacity
		Oracle Communications Peering Session Border     Controller session capacity
		This license requires an equal number of session capacity licenses.
		Entitled Products and Restricted Use Licenses N/A
	Oracle Communications	Product Editions and Permitted Features
	Session Border Controller, Accounting – Single Server Concurrent Session Perpetual	Allows Oracle Communications Session Border Controller to create call accounting records using either Radius or Diameter (via the Rf interface), or by collecting the information in flat files that can stored locally or pushed via FTP to an external server.
		Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.
		Pre-requisite Products
		Oracle Communications Session Border Controller session capacity
		OR
		Oracle Communications Peering Session Border     Controller session capacity
		This license requires an equal number of session capacity licenses.
		Entitled Products and Restricted Use Licenses N/A
	Oracle Communications	Product Editions and Permitted Features

Product	Subproduct	Licensing Description
Session Border Controller, Advanced Media Termination – Integrated Software Option – per 50 Concurrent Sessions Metric	Enables support for handling RTC media, via the following features:  • RTP / RTCP multiplexing (per RFC 5761)  • ICE lite (per RFC 5245)  • STUN  Pre-requisite Products  • Oracle Communications Session Border Controller – Integrated Software Option session capacity  OR  • Oracle Communications Peering Session Border Controller – Integrated Software Option session capacity  This license requires an equal number of ISO session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A	
	Oracle Communications Session Border Controller, Advanced Media Termination – Network-Wide Concurrent Session Perpetual	Product Editions and Permitted Features  Enables support for terminating RTC media, via the following features:  • RTP / RTCP multiplexing (per RFC 5761)  • ICE lite (per RFC 5245)  • STUN  Pre-requisite Products  • Oracle Communications Session Border Controller session capacity  OR  • Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Advanced Media Termination – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  Enables support for terminating RTC media, via the following features:  • RTP / RTCP multiplexing (per RFC 5761)  • ICE lite (per RFC 5245)  • STUN  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.

Product	Subproduct	Licensing Description
		Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Bidirectional Forwarding Detection – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  Enables the use of BFD protocol as an alternate High Availability mechanism on the SBC.  Pre-requisite Products  Oracle Communications Session Border Controller — Integrated Software Option session capacity  OR  Oracle Communications Peering Session Border Controller — Integrated Software Option session capacity  This license requires an equal number of ISO session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Bidirectional Forwarding Detection – Network-Wide Concurrent Session Perpetual	Product Editions and Permitted Features  Enables the use of BFD protocol as an alternate High Availability mechanism on the SBC.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border	Product Editions and Permitted Features Enables the use of BFD protocol as an alternate High

Product	Subproduct	Licensing Description
	Controller, Bidirectional Forwarding Detection – Single Server Concurrent Session Perpetual	Availability mechanism on the SBC.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Core Features – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  The following features are available with this license:  Accounting – Allows the creation of call accounting records using either Radius or Diameter (via the Rf interface), or by collecting the information in flat files that can stored locally or pushed via FTP to an external server.  Load Balancing – Allows configuration and use of Session Agent Groups in order to perform sophisticated load balancing of traffic across core network elements.  QoS – Enables collection and reporting of Quality of Service (QoS) data (lost packets, jitter, and latency) for session media.  Routing – Enables configuration and use of routing (local policy) parameters for signaling protocols supported. This includes access to configuration elements such as cost, start and end times, days of week, media profiles, and carrier elements.  The following features are included in this license:  • ENUM Database support  • LRT (local route table)  Pre-requisite Products  • Oracle Communications Session Border Controller – Integrated Software Option session capacity  OR  • Oracle Communications Peering Session Border Controller – Integrated Software Option session capacity  This license requires an equal number of ISO session capacity licenses.

Product	Subproduct	Licensing Description
		Entitled Products and Restricted Use Licenses N/A
	Oracle Communications Session Border Controller, Core Features – Network- Wide Concurrent Session Perpetual Metric	Product Editions and Permitted Features The following features are available with this license:  Accounting — Allows the creation of call accounting records using either Radius or Diameter (via the Rf interface), or by collecting the information in flat files that can stored locally or pushed via FTP to an external server.  Load Balancing — Allows configuration and use of Session Agent Groups in order to perform sophisticated load balancing of traffic across core network elements.  QoS — Enables collection and reporting of Quality of Service (QoS) data (lost packets, jitter, and latency) for session media.  Routing — Enables configuration and use of routing (local policy) parameters for signaling protocols supported. This includes access to configuration elements such as cost, start and end times, days of week, media profiles, and carrier elements.  The following features are included in this license:  ENUM Database support  ENT (local route table)  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Core Features – Single Server Concurrent Session Perpetual Metric	Product Editions and Permitted Features  The following features are available with this license:  Accounting – Allows the creation of call accounting records using either Radius or Diameter (via the Rf interface), or by collecting the information in flat files that can stored locally or pushed via FTP to an external server.  Load Balancing – Allows configuration and use of Session Agent Groups in order to perform sophisticated load

Product	Subproduct	Licensing Description
		balancing of traffic across core network elements.  QoS – Enables collection and reporting of Quality of Service (QoS) data (lost packets, jitter, and latency) for session media.  Routing – Enables configuration and use of routing (local policy) parameters for signaling protocols supported. This includes access to configuration elements such as cost, start and end times, days of week, media profiles, and carrier elements.  The following features are included in this license:  • ENUM Database support  • LRT (local route table)  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  • Oracle Communications Session Border Controller session capacity  OR  • Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses
	Oracle Communications Session Border Controller, Government Security Certification – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  Enables increased administrative security capabilities of the system for password strength, password usage policies, user roles, and management of administrative users.  Pre-requisite Products  Oracle Communications Session Border Controller – Integrated Software Option session capacity  OR  Oracle Communications Peering Session Border Controller – Integrated Software Option session capacity  This license requires an equal number of ISO session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications	Product Editions and Permitted Features

Product	Subproduct	Licensing Description
	Session Border Controller, Government Security Certification – Network-Wide Concurrent Session Perpetual	Enables increased administrative security capabilities of the system for password strength, password usage policies, user roles, and management of administrative users.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Government Security Certification – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features Enables increased administrative security capabilities of the system for password strength, password usage policies, user roles, and management of administrative users.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Hardware- Assisted Transcoding – Network-Wide Concurrent Session Perpetual	Product Editions and Permitted Features Enables the use of 3 <sup>rd</sup> party DSP-based PCIe card for hardware accelerated transcoding in a virtual SBC instance.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses, and the appropriate ISO codec licenses (as

Product	Subproduct	Licensing Description
		required)  Entitled Products and Restricted Use Licenses  This license is only applicable to SBC VNF
	Oracle Communications Session Border Controller, Hardware- Assisted Transcoding – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features Enables the use of 3 <sup>rd</sup> party DSP-based PCle card for hardware accelerated transcoding in a virtual SBC instance. Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity OR  Oracle Communications Peering Session Border Controller session capacity This license requires an equal number of session capacity licenses, and the appropriate ISO codec licenses (as required)  Entitled Products and Restricted Use Licenses This license is only applicable to SBC VNF
	Oracle Communications Session Border Controller, IPsec Trunking – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  Enables the use of IPsec protocol (including IKEv1 or manual keys) for protecting signaling and media.  Pre-requisite Products  SSM3 module (for Acme Packet 4600, 6100, 6300, or 6350 platforms only – not required for Acme Packet 3900 or virtualized platforms)  AND  Oracle Communications Session Border Controller – Integrated Software Option session capacity  OR  Oracle Communications Peering Session Border Controller – Integrated Software Option session capacity  This license requires an equal number of ISO session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, IPSec	Product Editions and Permitted Features  Enables the use of IPsec protocol (including IKEv1 or manual keys) for protecting signaling and media.

Product	Subproduct	Licensing Description
	Trunking – Network- Wide Concurrent Session Perpetual	Pre-requisite Products  SSM3 module (for Acme Packet 4600, 6100, 6300, or 6350 platforms only – not required for Acme Packet 3900 or virtualized platforms)  AND  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, IPSec Trunking – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  Enables the use of IPsec protocol (including IKEv1 or manual keys) for protecting signaling and media.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  SSM3 module (for Acme Packet 4600, 6100, 6300, or 6350 platforms only – not required for Acme Packet 3900 or virtualized platforms)  AND  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, IPv4-IPv6 Interworking – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features Allows IPv4-IPv6 interworking for signaling and media. This license is not required for pure IPv6 functionality.  Pre-requisite Products  Oracle Communications Session Border Controller – Integrated Software Option session capacity

Product	Subproduct	Licensing Description
		OR Oracle Communications Peering Session Border Controller – Integrated Software Option session capacity This license requires an equal number of ISO session capacity licenses.  Entitled Products and Restricted Use Licenses N/A
Oracle Communications Session Border Controller, IPv4 to IPv6 Interworking – Network- Wide Concurrent Session Perpetual	Product Editions and Permitted Features Allows IPv4-IPv6 interworking for signaling and media. This license is not required for pure IPv6 functionality.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A	
	Oracle Communications Session Border Controller, IPv4 to IPv6 Interworking – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features Allows IPv4-IPv6 interworking for signaling and media. This license is not required for pure IPv6 functionality. Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity OR  Oracle Communications Peering Session Border Controller session capacity This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses N/A
	Oracle Communications Session Border Controller, Lawful	Product Editions and Permitted Features  Allows configuration and use of parameters to enable lawful intercept. See Lawful Intercept Overview section in the CLI

Product	Subproduct	Licensing Description
	Intercept – Integrated Software Option – per 50 Concurrent Sessions Metric	guide for details on LI types supported.  Pre-requisite Products  Oracle Communications Session Border Controller — Integrated Software Option session capacity  OR  Oracle Communications Peering Session Border Controller — Integrated Software Option session capacity  This license requires an equal number of ISO session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Lawful Intercept – Network- Wide Concurrent Session Perpetual	Product Editions and Permitted Features  Allows configuration and use of parameters to enable lawful intercept. See Lawful Intercept Overview section in the CLI guide for details on LI types supported.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Lawful Intercept – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  Allows configuration and use of parameters to enable lawful intercept. See Lawful Intercept Overview section in the CLI guide for details on LI types supported.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.

Product	Subproduct	Licensing Description
		Entitled Products and Restricted Use Licenses N/A
Orac Sess Con Bala Wid Sess Con Bala Con	Oracle Communications Session Border Controller, Load Balancing – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  Allows configuration and use of Session Agent Groups in order to perform sophisticated load balancing of traffic across core network elements.  Pre-requisite Products  Oracle Communications Session Border Controller — Integrated Software Option session capacity  OR  Oracle Communications Peering Session Border Controller — Integrated Software Option session capacity  This license requires an equal number of ISO session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Load Balancing – Network- Wide Concurrent Session Perpetual	Product Editions and Permitted Features Allows configuration and use of Session Agent Groups in order to perform sophisticated load balancing of traffic across core network elements.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity OR  Oracle Communications Peering Session Border Controller session capacity This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses N/A
	Oracle Communications Session Border Controller, Load Balancing – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  Allows configuration and use of Session Agent Groups in order to perform sophisticated load balancing of traffic across core network elements.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Oracle Communications Session Border Controller

Product	Subproduct	Licensing Description
		session capacity OR  Oracle Communications Peering Session Border Controller session capacity This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses N/A
	Oracle Communications Session Border Controller, Policy Server – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  Allows configuration of a COPS (common open policy server)/Diameter interface towards a third party external policy server function that provides functionality in the following two categories:  • External Bandwidth Management/ Call Admission Control towards a Policy Server (RACF/PCRF)  • Location Information queries to a Connectivity Location Function (CLF).  Pre-requisite Products  • Oracle Communications Session Border Controller — Integrated Software Option session capacity  OR  • Oracle Communications Peering Session Border Controller — Integrated Software Option session capacity  This license requires an equal number of ISO session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Policy Server – Network-Wide Concurrent Session Perpetual	Product Editions and Permitted Features  Allows configuration of a COPS (common open policy server)/Diameter interface towards a third party external policy server function that provides functionality in the following two categories:  • External Bandwidth Management/ Call Admission Control towards a Policy Server (RACF/PCRF)  • Location Information queries to a Connectivity Location Function (CLF).  Pre-requisite Products  • Oracle Communications Session Border Controller session capacity  OR

Product	Subproduct	Licensing Description
	Oracle Communications Session Border Controller, Policy Server – Single Server Concurrent Session Perpetual	Oracle Communications Peering Session Border Controller session capacity This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses N/A  Product Editions and Permitted Features Allows configuration of a COPS (common open policy server)/Diameter interface towards a third party external policy server function that provides functionality in the following two categories:
	Oracle Communications Session Border Controller, Quality of Service – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  Enables collection and reporting of Quality of Service (QoS) data (lost packets, jitter, and latency) for session media.  Pre-requisite Products  Oracle Communications Session Border Controller — Integrated Software Option session capacity  OR  Oracle Communications Peering Session Border Controller — Integrated Software Option session capacity  This license requires an equal number of ISO session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A

Product	Subproduct	Licensing Description
	Oracle Communications Session Border Controller, Quality of Service – Network-Wide Concurrent Session Perpetual	Product Editions and Permitted Features  Enables collection and reporting of Quality of Service (QoS) data (lost packets, jitter, and latency) for session media.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Quality of Service – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  Enables collection and reporting of Quality of Service (QoS) data (lost packets, jitter, and latency) for session media.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, REST API for 3 <sup>rd</sup> -Party Use – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  Enables automated management of the SBC from 3 <sup>rd</sup> party (i.e. non Oracle) applications and services.  Pre-requisite Products  Oracle Communications Session Border Controller – Integrated Software Option session capacity OR  Oracle Communications Peering Session Border Controller – Integrated Software Option session capacity This license requires an equal number of ISO session capacity licenses.

Product	Subproduct	Licensing Description
		Entitled Products and Restricted Use Licenses N/A
	Oracle Communications Session Border Controller, REST API for 3 <sup>rd</sup> -Party Use – Network- Wide Concurrent Session Perpetual	Product Editions and Permitted Features  Enables automated management of the SBC from 3 <sup>rd</sup> party (i.e. non Oracle) applications and services.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses N/A
	Oracle Communications Session Border Controller, REST API for 3 <sup>rd</sup> -Party Use – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  Enables automated management of the SBC from 3 <sup>rd</sup> party (i.e. non Oracle) applications and services.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Ringback Tone Generation – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features Allows the Session Border Controller to generate ringback tones locally Pre-requisite Products  Oracle Communications Session Border Controller – Integrated Software Option session capacity OR Oracle Communications Peering Session Border

Product	Subproduct	Licensing Description
		Controller – Integrated Software Option session capacity This license requires an equal number of ISO session capacity licenses.  Entitled Products and Restricted Use Licenses N/A
	Oracle Communications Session Border Controller, Ringback Tone Generation – Network-Wide Concurrent Session Perpetual	Product Editions and Permitted Features  Allows the Session Border Controller to generate ringback tones locally  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses
	Oracle Communications Session Border Controller, Ringback Tone Generation – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features Allows the Session Border Controller to generate ringback tones locally Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity OR  Oracle Communications Peering Session Border Controller session capacity This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses N/A
	Oracle Communications Session Border Controller, Routing – Integrated Software Option – per 50 Concurrent Sessions	Product Editions and Permitted Features  Enables configuration and use of routing (local policy) parameters for signaling protocols supported. This includes access to configuration elements such as cost, start and end times, days of week, media profiles, and carrier elements.

Product	Subproduct	Licensing Description
	Metric  Oracle Communications	The following features are included in this license:  • ENUM Database support  • LRT (local route table)  Pre-requisite Products  • Oracle Communications Session Border Controller — Integrated Software Option session capacity  OR  • Oracle Communications Peering Session Border Controller — Integrated Software Option session capacity  This license requires an equal number of ISO session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Routing – Network-Wide Concurrent Session Perpetual	Product Editions and Permitted Features  Enables configuration and use of routing (local policy) parameters for signaling protocols supported. This includes access to configuration elements such as cost, start and end times, days of week, media profiles, and carrier elements.  The following features are included in this license:  • ENUM Database support  • LRT (local route table)  Pre-requisite Products  • Oracle Communications Session Border Controller session capacity  OR  • Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Routing – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  Enables configuration and use of routing (local policy) parameters for signaling protocols supported. This includes access to configuration elements such as cost, start and end times, days of week, media profiles, and carrier elements.  The following features are included in this license:  • ENUM Database support  • LRT (local route table)

Product	Subproduct	Licensing Description
		Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.
		Pre-requisite Products
		Oracle Communications Session Border Controller session capacity
		OR
		Oracle Communications Peering Session Border Controller session capacity
		This license requires an equal number of session capacity licenses.
		Entitled Products and Restricted Use Licenses N/A
	Oracle Communications Session Border Controller, SIP/SIP-I Interworking — Integrated Software Option — per 50 Concurrent Sessions	Product Editions and Permitted Features  Allows native SIP/SIP-I interworking, which is enabled via the sipi-behavior option of the sip-config element.  Pre-requisite Products  Oracle Communications Session Border Controller — Integrated Software Option session capacity
	Metric	OR  Oracle Communications Peering Session Border Controller – Integrated Software Option session capacity This license requires an equal number of ISO session capacity licenses.
		Entitled Products and Restricted Use Licenses N/A
	Oracle Communications	Product Editions and Permitted Features
	Session Border Controller, SIP/SIP-I Interworking – Network- Wide Concurrent Session Perpetual	Allows native SIP/SIP-I interworking, which is enabled via the sipi-behavior option of the sip-config element.
		Pre-requisite Products
		Oracle Communications Session Border Controller session capacity
		OR
		Oracle Communications Peering Session Border     Controller session capacity
		This license requires an equal number of session capacity licenses.
		Entitled Products and Restricted Use Licenses N/A

Product	Subproduct	Licensing Description
	Oracle Communications Session Border Controller, SIP/SIP-I Interworking – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  Allows native SIP/SIP-I interworking, which is enabled via the sipi-behavior option of the sip-config element.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, SIPREC Session Recording – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  Enables session replication for recording, which helps call centers record the signaling and media packets associated with their calls.  This license is NOT available to French customers subject to the R226 regulations  Pre-requisite Products  Oracle Communications Session Border Controller — Integrated Software Option session capacity  OR  Oracle Communications Peering Session Border Controller — Integrated Software Option session capacity  This license requires an equal number of ISO session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, SIPREC Session Recording – Network-Wide Concurrent Session Perpetual	Product Editions and Permitted Features  Enables session replication for recording, which helps call centers record the signaling and media packets associated with their calls.  This license is NOT available to French customers subject to the R226 regulations  Pre-requisite Products  Oracle Communications Session Border Controller session capacity

Product	Subproduct	Licensing Description
		OR Oracle Communications Peering Session Border Controller session capacity This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses N/A
	Oracle Communications Session Border Controller, SIPREC Session Recording – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  Enables session replication for recording, which helps call centers record the signaling and media packets associated with their calls.  This license is NOT available to French customers subject to the R226 regulations  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, SIPREC Session Recording for French Territories – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  Enables session replication for recording, which helps call centers record the signaling and media packets associated with their calls.  This license is only applicable to French customers subject to the R226 regulations  Pre-requisite Products  Oracle Communications Session Border Controller – Integrated Software Option session capacity  OR  Oracle Communications Peering Session Border Controller – Integrated Software Option session capacity  This license requires an equal number of ISO session capacity licenses.  Entitled Products and Restricted Use Licenses

Product	Subproduct	Licensing Description
		N/A
	Oracle Communications Session Border Controller, SIPREC Session Recording for French Territories – Network-Wide Concurrent Session Perpetual	Product Editions and Permitted Features  Enables session replication for recording, which helps call centers record the signaling and media packets associated with their calls.  This license is only applicable to French customers subject to the R226 regulations  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, SIPREC Session Recording for French Territories — Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  Enables session replication for recording, which helps call centers record the signaling and media packets associated with their calls.  This license is only applicable to French customers subject to the R226 regulations  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, Transport Layer Security (TLS) –	Product Editions and Permitted Features Enables the use of TLS for encryption of SIP signaling for virtual SBCs

Product	Subproduct	Licensing Description
	Network-Wide Concurrent Session Perpetual	Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses  This license is only applicable to SBC VNF
	Oracle Communications Session Border Controller, Transport Layer Security (TLS) — Single Server Concurrent Session Perpetual	Product Editions and Permitted Features Enables the use of TLS for encryption of SIP signaling for virtual SBCs Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity OR  Oracle Communications Peering Session Border Controller session capacity This license requires an equal number of session capacity licenses.  Entitled Products and Restricted Use Licenses This license is only applicable to SBC VNF
Ses	ssion Based Licenses (orderat	ole independent of session capacity licenses)
	Oracle Communications Session Border Controller, MSRP B2BUA – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  Enables the use of MSRP B2BUA (Message Session Relay Protocol Back to Back User Agent) functionality.  Pre-requisite Products  Oracle Communications Session Border Controller — Integrated Software Option session capacity  OR  Oracle Communications Peering Session Border Controller — Integrated Software Option session capacity  Entitled Products and Restricted Use Licenses  N/A

Product	Subproduct	Licensing Description
	Oracle Communications Session Border Controller, MSRP B2BUA – Network-Wide Concurrent Session Perpetual	Product Editions and Permitted Features Enables the use of MSRP B2BUA (Message Session Relay Protocol Back to Back User Agent) functionality.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, MSRP B2BUA – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  Enables the use of MSRP B2BUA (Message Session Relay Protocol Back to Back User Agent) functionality.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, SRTP – Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  Enables SRTP (SDES) media encryption.  Pre-requisite Products  SSM3 module (for Acme Packet 4600, 6100, 6300, or 6350 platforms only – not required for Acme Packet 3900 or virtualized platforms)  AND  Oracle Communications Session Border Controller – Integrated Software Option session capacity  OR  Oracle Communications Peering Session Border Controller – Integrated Software Option session capacity  Entitled Products and Restricted Use Licenses  N/A

Product	Subproduct	Licensing Description
	Oracle Communications Session Border Controller, SRTP – Network-Wide Concurrent Session Perpetual  Oracle Communications Session Border Controller, SRTP – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features Enables SRTP (SDES) media encryption.  Pre-requisite Products  SSM3 module (for Acme Packet 4600, 6100, 6300, or 6350 platforms only – not required for Acme Packet 3900 or virtualized platforms)  AND  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  Entitled Products and Restricted Use Licenses  N/A  Product Editions and Permitted Features Enables SRTP (SDES) media encryption.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  SSM3 module (for Acme Packet 4600, 6100, 6300, or 6350 platforms only – not required for Acme Packet 3900 or virtualized platforms)  AND  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  Entitled Products and Restricted Use Licenses
		N/A
	C	odec Licenses
	Transcoding coder/decoder for transcoding module 2, AMR-NB – Integrated Software Option - per 25 Concurrent Sessions Metric	Product Editions and Permitted Features  AMR-NB royalty license is required in order to enable support for transcoding to and from AMR-NB codec.  Pre-requisite Products  • Acme Packet 3900, 4600, 6300, or 6350 with transcoding module(s)  AND

Product	Subproduct	Licensing Description
	Transcoding coder/decoder for Oracle Communications Session Border Controller, AMR-NB – 25 Concurrent Sessions Perpetual	Oracle Communications Session Border Controller session capacity OR     Oracle Communications Peering Session Border Controller session capacity OR     Oracle Communications Transcoding Session Border Controller session capacity Requires an equal or greater number of session capacity licenses Not available on SBC VNF Entitled Products and Restricted Use Licenses N/A  Product Editions and Permitted Features AMR-NB license is required in order to enable support for software transcoding to and from AMR-NB codec. Pre-requisite Products     Supported virtualized platform AND     Oracle Communications Session Border Controller session capacity OR     Oracle Communications Peering Session Border Controller session capacity OR     Oracle Communications Transcoding Session Border Controller session capacity Requires an equal or greater number of session capacity licenses Not available on Acme Packet 3900, 4600, 6300, and 6350 platforms. Only available for SBC VNF Entitled Products and Restricted Use Licenses N/A
	Transcoding coder/decoder for Oracle Communications Session Border Controller, AMR-NB - Integrated Software Option – per 50 Concurrent Sessions	Product Editions and Permitted Features  AMR-NB royalty license is required in order to enable support for transcoding to and from AMR-NB codec.  Pre-requisite Products  • Acme Packet 3900, 4600, 6300, or 6350 with transcoding module(s)

Product	Subproduct	Licensing Description
	Transcoding coder/decoder for Oracle Communications Session Border Controller, AMR-NB – Network-Wide Concurrent Session Perpetual	Oracle Communications Session Border Controller session capacity OR     Oracle Communications Peering Session Border Controller session capacity OR     Oracle Communications Transcoding Session Border Controller session capacity Requires an equal or greater number of session capacity licenses Not available on SBC VNF Entitled Products and Restricted Use Licenses N/A  Product Editions and Permitted Features AMR-NB royalty license is required in order to enable support for transcoding to and from AMR-NB codec.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity OR  Oracle Communications Peering Session Border Controller session capacity OR  Oracle Communications Transcoding Session Border Controller session capacity Requires an equal or greater number of session capacity licenses Entitled Products and Restricted Use Licenses N/A
	Transcoding coder/decoder for Oracle Communications Session Border Controller, AMR-NB – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  AMR-NB royalty license is required in order to enable support for transcoding to and from AMR-NB codec.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity

Product	Subproduct	Licensing Description
		OR Oracle Communications Transcoding Session Border Controller session capacity Requires an equal or greater number of session capacity licenses Entitled Products and Restricted Use Licenses N/A
	Transcoding coder/decoder for transcoding module 2, AMR-WB (G.722.2) – Integrated Software Option - per 25 Concurrent Sessions Metric	Product Editions and Permitted Features  AMR-WB royalty license is required to enable support for transcoding to and from the AMR-WB codec.  Pre-requisite Products  Acme Packet 3900, 4600, 6300, or 6350 with transcoding module(s)  AND  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Not available on SBC VNF  Entitled Products and Restricted Use Licenses  N/A
	Transcoding coder/decoder for Oracle Communications Session Border Controller, AMR-WB (G.722.2) – 25 Concurrent Sessions Perpetual	Product Editions and Permitted Features  AMR-WB license is required in order to enable support for software transcoding to and from AMR-WB codec.  Pre-requisite Products  • Supported virtualized platform  AND  • Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR

Product	Subproduct	Licensing Description
	Transcoding coder/decoder for Oracle Communications Session Border Controller, AMR-WB (G.722.2) - Integrated Software Option – per 50 Concurrent Sessions Metric	Oracle Communications Transcoding Session Border Controller session capacity Requires an equal or greater number of session capacity licenses Not available on Acme Packet 3900, 4600, 6300, and 6350 platforms. Only available for SBC VNF Entitled Products and Restricted Use Licenses N/A  Product Editions and Permitted Features AMR-WB royalty license is required in order to enable support for transcoding to and from AMR-WB codec. Pre-requisite Products  • Acme Packet 3900, 4600, 6300, or 6350 with transcoding module(s) AND  • Oracle Communications Session Border Controller session capacity OR Oracle Communications Peering Session Border Controller session capacity OR Oracle Communications Transcoding Session Border Controller session capacity Requires an equal or greater number of session capacity licenses Not available on SBC VNF Entitled Products and Restricted Use Licenses N/A
	Transcoding coder/decoder for Oracle Communications Session Border Controller, AMR-WB (G.722.2) – Network-Wide Concurrent Session Perpetual	Product Editions and Permitted Features  AMR-WB royalty license is required in order to enable support for transcoding to and from AMR-WB codec.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border

Product	Subproduct	Licensing Description
		Controller session capacity Requires an equal or greater number of session capacity licenses Entitled Products and Restricted Use Licenses N/A
	Transcoding coder/decoder for Oracle Communications Session Border Controller, AMR-WB (G.722.2) – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  AMR-WB royalty license is required in order to enable support for transcoding to and from AMR-WB codec.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Entitled Products and Restricted Use Licenses  N/A
	Transcoding coder/decoder for transcoding module 2, EVRC – Integrated Software Option - per 25 Concurrent Sessions Metric	Product Editions and Permitted Features Required in order to enable support for transcoding to and from EVRC codec.  Pre-requisite Products  • Acme Packet 3900, 4600, 6300, or 6350 with transcoding module(s)  AND  • Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Not available on SBC VNF

Product	Subproduct	Licensing Description
		Entitled Products and Restricted Use Licenses N/A
	Transcoding coder/decoder transcoding module 2, EVRCB – Integrated Software Option - per 25 Concurrent Sessions Metric	Product Editions and Permitted Features Required in order to enable support for transcoding to and from EVRC-B codec.  Pre-requisite Products  • Acme Packet 3900, 4600, 6300, or 6350 with transcoding module(s)  AND  • Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Not available on SBC VNF  Entitled Products and Restricted Use Licenses  N/A
	Transcoding coder/decoder for Oracle Communications Session Border Controller, EVS – 25 Concurrent Sessions Perpetual	Product Editions and Permitted Features  EVS license is required in order to enable support for software transcoding to and from EVS codec.  Pre-requisite Products  • Supported virtualized platform  AND  • Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Not available on Acme Packet 3900, 4600, 6300, and 6350

Product	Subproduct	Licensing Description
		platforms. Only available for SBC VNF  Entitled Products and Restricted Use Licenses  N/A
	Transcoding coder/decoder for transcoding module 2, EVS – Integrated Software Option – per Concurrent Session Metric	Product Editions and Permitted Features  EVS royalty license is required in order to enable support for transcoding to and from EVS codec.  Pre-requisite Products  • Acme Packet 3900, 4600, 6300, or 6350 with transcoding module(s)  AND  • Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Not available on SBC VNF  Entitled Products and Restricted Use Licenses  N/A
	Transcoding coder/decoder for Oracle Communications Session Border Controller, EVS - Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  EVS royalty license is required in order to enable support for transcoding to and from EVS codec.  Pre-requisite Products  • Acme Packet 3900, 4600, 6300, or 6350 with transcoding module(s)  AND  • Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity

Product	Subproduct	Licensing Description
		licenses Not available on SBC VNF  Entitled Products and Restricted Use Licenses N/A
	Transcoding coder/decoder for Oracle Communications Session Border Controller, EVS – Network-Wide Concurrent Session Perpetual	Product Editions and Permitted Features  EVS royalty license is required in order to enable support for transcoding to and from EVS codec.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Entitled Products and Restricted Use Licenses  N/A
	Transcoding coder/decoder for Oracle Communications Session Border Controller, EVS – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  EVS royalty license is required in order to enable support for transcoding to and from EVS codec.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Entitled Products and Restricted Use Licenses  N/A
	Transcoding coder/decoder for	Product Editions and Permitted Features

Product	Subproduct	Licensing Description
transcoding module 2, Opus – Integrated Software Option – per Concurrent Session Metric	Opus royalty license is required in order to enable support for transcoding to and from Opus codec.  Pre-requisite Products  Acme Packet 3900, 4600, 6300, or 6350 with transcoding module(s)  AND  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Not available on SBC VNF  Entitled Products and Restricted Use Licenses  N/A	
	Transcoding coder/decoder for Oracle Communications Session Border Controller, Opus – 25 Concurrent Sessions Perpetual	Product Editions and Permitted Features  Opus license is required in order to enable support for software transcoding to and from Opus codec.  Pre-requisite Products  • Supported virtualized platform  AND  • Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Not available on Acme Packet 3900, 4600, 6300, and 6350 platforms. Only available for SBC VNF  Entitled Products and Restricted Use Licenses  N/A

Product	Subproduct	Licensing Description
Oracle Communic Session Border Controller, Opus - Integrated Softwa Option – per 50 Concurrent Session Metric  Transcoding coder/decoder for Oracle Communic Session Border Controller, Opus - Network-Wide Concurrent Session Perpetual	coder/decoder for Oracle Communications Session Border Controller, Opus - Integrated Software Option – per 50 Concurrent Sessions	Product Editions and Permitted Features  Opus royalty license is required in order to enable support for transcoding to and from Opus codec.  Pre-requisite Products  Acme Packet 3900, 4600, 6300, or 6350 with transcoding module(s)  AND  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Not available on SBC VNF  Entitled Products and Restricted Use Licenses  N/A
	coder/decoder for Oracle Communications Session Border Controller, Opus – Network-Wide Concurrent Session	Product Editions and Permitted Features  Opus royalty license is required in order to enable support for transcoding to and from Opus codec.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Entitled Products and Restricted Use Licenses  N/A
	Transcoding coder/decoder for Oracle Communications	Product Editions and Permitted Features  Opus royalty license is required in order to enable support for transcoding to and from Opus codec.

Product	Subproduct	Licensing Description
	Session Border Controller, Opus – Single Server Concurrent Session Perpetual	Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Entitled Products and Restricted Use Licenses  N/A
	Transcoding coder/decoder for transcoding module 2, SILK – Integrated Software Option – per Concurrent Session Metric	Product Editions and Permitted Features  SILK royalty license is required in order to enable support for transcoding to and from SILK codec.  Pre-requisite Products  • Acme Packet 3900, 4600, 6300, or 6350 with transcoding module(s)  AND  • Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Not available on SBC VNF  Entitled Products and Restricted Use Licenses  N/A
	Transcoding coder/decoder for Oracle Communications Session Border Controller, SILK– 25 Concurrent Sessions Perpetual	Product Editions and Permitted Features  SILK royalty license is required in order to enable support for transcoding to and from SILK codec.  Pre-requisite Products  • Supported virtualized platform

Product	Subproduct	Licensing Description
		Oracle Communications Session Border Controller session capacity  OR     Oracle Communications Peering Session Border Controller session capacity  OR     Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Not available on Acme Packet 3900, 4600, 6300, and 6350 platforms. Only available for SBC VNF  Entitled Products and Restricted Use Licenses  N/A
	Transcoding coder/decoder for Oracle Communications Session Border Controller, SILK - Integrated Software Option – per 50 Concurrent Sessions Metric	Product Editions and Permitted Features  SILK royalty license is required in order to enable support for transcoding to and from SILK codec.  Pre-requisite Products  Acme Packet 3900, 4600, 6300, or 6350 with transcoding module(s)  AND  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Not available on SBC VNF  Entitled Products and Restricted Use Licenses  N/A
	Transcoding coder/decoder for Oracle Communications Session Border Controller, SILK –	Product Editions and Permitted Features  SILK royalty license is required in order to enable support for transcoding to and from SILK codec.  Pre-requisite Products

Product	Subproduct	Licensing Description
	Network-Wide Concurrent Session Perpetual	Oracle Communications Session Border Controller session capacity  OR     Oracle Communications Peering Session Border Controller session capacity  OR     Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Entitled Products and Restricted Use Licenses  N/A
	Transcoding coder/decoder for Oracle Communications Session Border Controller, SILK – Single Server Concurrent Session Perpetual	Product Editions and Permitted Features  SILK royalty license is required in order to enable support for transcoding to and from SILK codec.  Pre-requisite Products  Oracle Communications Session Border Controller session capacity  OR  Oracle Communications Peering Session Border Controller session capacity  OR  Oracle Communications Transcoding Session Border Controller session capacity  Requires an equal or greater number of session capacity licenses  Entitled Products and Restricted Use Licenses  N/A
	Endpoints Based Lice	enses (available in endpoint units)
	Oracle Communications Session Border Controller, IMS-AKA – Integrated Software Option – per 5K Endpoints Metric	Product Editions and Permitted Features  Enables IMS-AKA framework use for authentication and for securing the signaling path between UE and the Oracle Communications Session Border Controller across the Gm interface on the access network.  Pre-requisite Products  • Acme Packet 4600, 6100, 6300, or 6350 platforms AND  • Oracle Communications Session Border Controller —

Product	Subproduct	Licensing Description
		Integrated Software Option session capacity  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, IMS-AKA – Network-Wide Endpoint Perpetual	Product Editions and Permitted Features  Enables IMS-AKA framework use for authentication and for securing the signaling path between UE and the Oracle Communications Session Border Controller across the Gm interface on the access network.  Pre-requisite Products  Acme Packet 4600, 6100, 6300, or 6350 platforms OR supported virtualized platform  AND  Oracle Communications Session Border Controller session capacity  Entitled Products and Restricted Use Licenses  N/A
	Oracle Communications Session Border Controller, IMS-AKA – Single Server Endpoint Perpetual	Product Editions and Permitted Features  Enables IMS-AKA framework use for authentication and for securing the signaling path between UE and the Oracle Communications Session Border Controller across the Gm interface on the access network.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  Pre-requisite Products  Acme Packet 4600, 6100, 6300, or 6350 platforms, OR supported virtualized platform  AND  Oracle Communications Session Border Controller session capacity  Entitled Products and Restricted Use Licenses  N/A
	Tunnels Based Lice	enses (available in tunnel units)
	Oracle Communications Session Border Controller, TSC – Integrated Software Option – per 100 Tunnels Metric	Product Editions and Permitted Features  Enables use of the TSCF protocol for the protection of signaling and media. A TSCF tunnel is a method of transport between a device running the TSCF SDK and the TSCF interface on the SBC, within which traffic such as VoIP can be encapsulated to provide for secure communications,

Product	Subproduct	Licensing Description
		robust firewall-traversal, simplified signaling and improved voice quality over lossy networks.
		Pre-requisite Products
		Acme Packet 4600, 6100, 6300, or 6350 platforms
		AND
		Oracle Communications Session Border Controller (base fee) – Integrated Software Option – per Server Metric
		Entitled Products and Restricted Use Licenses
		Entitles the use of TSC client Software Development Kit (SDK) in conjunction with the TSC function on the Oracle Communications Session Border Controller as per Mobile Archive Restricted Use terms.
	Oracle Communications	Product Editions and Permitted Features
	Session Border Controller, TSC – Network-Wide Tunnel Perpetual	Enables use of the TSCF protocol for the protection of signaling and media. A TSCF tunnel is a method of transport between a device running the TSCF SDK and the TSCF interface on the SBC, within which traffic such as VoIP can be encapsulated to provide for secure communications, robust firewall-traversal, simplified signaling and improved voice quality over lossy networks.
		This license also provides access to base Operating System and basic node management functions such as CLI (Command Line Interface), FTP (file transfer protocol) and SNMP (Simple Network Management Protocol). The following features are available with this license:
		ACP (Acme Control Protocol) - Allows the system to respond to external ACP requests (required for Oracle Communications Session Delivery Management Suite).
		HA (High Availability) - Enables sending and receiving HA heartbeat and check-pointing messages to an HA Peer and take over or relinquish Active status. Allows configuration of the redundancy configuration object.
		TLS (Transport Layer Security) – This feature enables cryptographic security for the SIP protocol.
		Pre-requisite Products
		Acme Packet 4600, 6100, 6300, or 6350 platforms  Not available on SBC-VNF
		Entitled Products and Restricted Use Licenses
		Entitled Products and Restricted Ose Licenses  Entitles the use of TSC client Software Development Kit (SDK) in conjunction with the TSC function on the Oracle Communications Session Border Controller as per Mobile Archive Restricted Use terms.

Product	Subproduct	Licensing Description
	Oracle Communications Session Border Controller, TSC – Single Server Tunnel Perpetual	Product Editions and Permitted Features  Enables use of the TSCF protocol for the protection of signaling and media. A TSCF tunnel is a method of transport between a device running the TSCF SDK and the TSCF interface on the SBC, within which traffic such as VoIP can be encapsulated to provide for secure communications, robust firewall-traversal, simplified signaling and improved voice quality over lossy networks.  Single Server Concurrent Session Perpetual License limits the use of license to a single server during a 90-day period.  This license also provides access to base Operating System
		and basic node management functions such as CLI (Command Line Interface), FTP (file transfer protocol) and SNMP (Simple Network Management Protocol). The following features are available with this license:  ACP (Acme Control Protocol) - Allows the system to respond to external ACP requests (required for Oracle Communications Session Delivery Management Suite).
		HA (High Availability) - Enables sending and receiving HA heartbeat and check-pointing messages to an HA Peer and take over or relinquish Active status. Allows configuration of the redundancy configuration object.  TLS (Transport Layer Security) – This feature enables
		cryptographic security for the SIP protocol.  Pre-requisite Products  Acme Packet 4600, 6100, 6300, or 6350 platforms
		Not available on SBC-VNF  Entitled Products and Restricted Use Licenses  Entitles the use of TSC client Software Development Kit (SDK) in conjunction with the TSC function on the Oracle Communications Session Border Controller as per Mobile Archive Restricted Use terms.

## **Third-Party Commercial and Open Source Software**

## Commercial Software

Commercial software used in Oracle Communications Session Border Controller – S-CZ8.3.0 is identified in the following table with the following license notes, restrictions, and disclaimers.

Vendor	Product(s) and Version(s)	Licensing Description/Disclaimer
Cavium	u-boot – 1.1.1	GPL 2.0 - See APPENDIX B
Embedthis	Embedthis APPweb Software	Used under license from Embedthis, All Rights Reserved.
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		* djb's sample implementation of curve25519 is written in a special assembly * language called qhasm and uses the floating point registers.
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		Port, Code Maintenance 36. [39]David L. Mills <mills@udel.edu> Version 4 foundation: clock discipline, authentication, precision kernel; clock drivers: Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics; audio clock drivers: CHU, WWV/H, IRIG 37. [40]Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port 38. [41]Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility 39. [42]Tom Moore</mogul@pa.dec.com></moeller@gwdgv1.dnet.gwdg.de></mills@udel.edu>
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if

the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
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Version 2, June 1991

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Version 3, 29 June 2007

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