Additional License Authorizations

For HCLTech Revenue Intelligence software products

Products and suites covered

Products	E-LTU or E-Media available*	Non-Production use category
HCLTech Fraud Risk Management (FRM)	Yes	Production & Non-Production licenses are available
HCLTech Revenue Leakage Control (RLC)	Yes	Production & Non-Production licenses are available
HCLTech Caller Id Spoofing Shield (CISS)	Yes	Production & Non-Production licenses are available
HCLTech Real Time Risk Scoring (RRS)	Yes	Production & Non-Production licenses are available
HCLTech AI Real Time Analytics (ART)	Yes	Production & Non-Production licenses are available
HCLTech Revenue Intelligence Embedded Platform	Yes	Production & Non-Production licenses are available
HCLTech Revenue Intelligence Enterprise Risk Management	Yes	Production & Non-Production licenses are available

* Any product sold as E-LTU or E-Media shall be delivered electronically regardless of any contrary designation in a purchase order.

Definitions

Capitalized terms not otherwise defined in this ALA document are defined in the governing agreement.

Term	Definition
CPU Core	means a CPU's processor
Dashboard Designer	means the feature to implement visual analytics available as part of HCLTech Enterprise Risk Management software
Dev/Test	means a system used for development or testing
E-LTU and E- Media	means products which are electronically delivered only, and as such any reference to FOB Destination or delivery methods that are stated on your purchase order other than electronic shall be null and void with respect to these E-LTU or E-Media products
LTU	means License To Use
Standby Node	means a backup system ready to replace a failed system
Use	means to install, store, load, run and display one copy of the software
Workflow	means an orchestrated and repeatable pattern of activity implemented and run by Workflow Manager component
IMSI	International Mobile Subscriber Identity
MSISDN	Mobile Station International Subscriber Directory Number

Software specific license terms

Additional software specific license terms for HCLTech Revenue Intelligence Software products are described below. HCLTech Revenue Intelligence Software products not covered in this document do not have software specific license terms. HCLTech Revenue Intelligence Software products license may include embedded third-party software which licenses are restricted to HCLTech Revenue Intelligence products only. HCLTech Revenue Intelligence Software licensee may use the license for one Dev/Test or for Standby Nodes for high availability both of which require an additional fee only in the case when embedded third-party software is provided.

The Tier Based Perpetual License Model for HCLTech Fraud Risk Management (FRM) and HCLTech Revenue Leakage Control (RLC) HCLTech Fraud Risk Management and Revenue Leakage Control can be licensed either by the number of monitored entities for which the product will profile the services usage and the usage behavior (an example of entity types could be: IMSI-MSISDN-CLI, resellers, subscribers, employees of the operator's call center, etc.) or based on the number of processed events (xDR) where an event represents a single record analyzed or archived by the product. Licenses are purchased in blocks of 50,000 entities or in blocks of 350,000 events/day. A customer orders the number of license blocks they need. Additional license blocks can be purchased over time as the customer needs grow to cover an increase in either entities or events.

License enforcement checks compare the number of licensed events or entities against the number of events or entities monitored by the product within a calendar day period. Whenever usage reaches a threshold of 75% of entitled license limit, the product will issue warnings to the system administrator. Also, license enforcement checks allow a maximum of 5 occurrences of the license limit being exceeded within a 30-day period. More than 5 occurrences within a 30-day period where the license limit is exceeded shall be deemed a license violation and the product will issue warnings to the system administrator. The product may not allow the entitled license limit to be exceeded by more than 10% and thus may not process the events/entities which are in excess of the limit.

The Token Based Perpetual License Model for HCLTech Fraud Risk Management (FRM)

HCLTech Fraud Risk Management (FRM) is licensed based on the number of monitored entities for which the product profiles the services usage and the behavior (an example of entity types could be: IMSI-MSISDN-CLI, resellers, subscribers, employees of the operator's call center, etc.) and the corresponding number of processed events (xDR) where an event represents a single record analyzed or archived by the product. The amount of licensed entities and events is linked together according to a fixed 1 to 15 ratio. Licenses are Token based: each Token is valid for an amount of entities and daily events that increase according to total quantity of purchased Tokens. The higher the events/entities quantity purchased the higher will be the quantity covered by one Token. A customer orders the number of license Tokens they need. Additional license Tokens can be purchased over time as the customer needs grow to cover an increase in either entities or events.

License enforcement checks compare the number of licensed entities and corresponding events against the amount of events and entities monitored by the product within a calendar day period. Whenever usage reaches a threshold of 75% of entitled license limit, the product will issue a warning to the system administrator. Also, license enforcement checks will admit a maximum of 5-license limit exceedings within a 30-day period. More than 5-license limit exceeding occurrences shall be deemed as a license violation and the product will issue a warning to the system administrator. The product may not allow the entitled license limit to be exceeded by more than 10% and thus may not process the events/entities which are in excess of the limit.

The Token Based Perpetual License Model for HCLTech Caller Id Spoofing Shield (CISS)

HCLTech Caller Id Spoofing Shield is licensed based on the number of monitored entities for which the product profiles the services usage and the behavior (an example of entity types could be: Telephone Number or any other Secure Telephone Identity) and the corresponding number of processed events (xDR) where an event represents a single record analyzed or archived by the product. The amount of licensed entities and events is linked together according to a fixed 1 to 15 ratio. Licenses are Token based: each Token is valid for an amount of entities and daily events that increase according to total quantity of purchased Tokens. The higher the events/entities quantity purchased the higher will be the quantity covered by one Token. A customer orders the number of license Token they need.

Additional license Tokens can be purchased over time as the customer needs grow to cover an increase in either entities or events.

License enforcement checks compare the number of licensed entities and corresponding events against the amount of events and entities monitored by the product within a calendar day period. Whenever usage reaches a threshold of 75% of entitled license limit, the product will issue a warning to the system administrator. Also, license enforcement checks will admit a maximum of 5-license limit exceeding within a 30-day period. More than 5-license limit exceeding occurrences shall be deemed as a license violation and the product will issue a warning to the system administrator. The product may not allow the entitled license limit to be exceeded by more than 10% and thus may not process the events/entities which are in excess of the limit.

The Token Based Perpetual License Model for HCLTech Revenue Leakage Control (RLC)

HCLTech Revenue Leakage Control (RLC) is licensed by the number of events (any single record fed into the system that will be either analyzed or archived by the revenue assurance system) and by the number of Workflows (which implement any control points to monitor revenue leakage such as: reconciliations, summarizations, trend analysis KPIs, etc.). This Event based license option is Token based. Each Token is valid for an amount of daily events that increase according to total quantity purchased. The higher the events quantity purchased the higher will be the quantity covered by one Token.

Workflows based license portion is purchased in blocks of 5 Workflows. Each block is valid for an amount of five Workflows. A customer orders the number of Event license Tokens and the amount of Workflow license blocks they need. Additional event license Tokens and Workflows can be purchased over time as the customer needs grow to cover an increase in either events or Workflows.

License enforcement checks compare within a calendar day period the number of licensed Workflows and events against the amount of running Workflows and the amount of events monitored by the product. Whenever usage reaches a threshold of 75% of entitled license limit, the product will issue a warning to the system administrator. Also, license enforcement checks will admit a maximum of 5-license limit exceeding within a 30-day period. More than 5-license limit exceeding occurrences shall be deemed as a license violation and the product will issue a warning to the system administrator. The product may not allow the entitled license limit to be exceeded by more than 10% and thus may not process the events/entities which are in excess of the limit.

The Perpetual License Model for HCLTech Real Time Risk Scoring (RRS)

HCLTech Real Time Risk Scoring (RRS) is licensed based on Transaction events for which the product computes a fraud risk score (an example of Transaction event may be a service subscription, a service activation request, an online sales transaction, a mobile payment transaction, a handset delivery service order etc.). A Transaction event can also demand an online response or simply happen through the regular batch scoring process, or even through manual checks for investigation purposes. From a licensing perspective a Transaction event will be counted just once, at its first processing date, independently on the number of times the same Transaction event is re-scored after the first processing date.

Licenses are Token based: each Token is valid for an amount of Transaction events that increase according to total quantity of purchased Tokens. The higher the Transaction events quantity purchased the higher will be the Transaction events quantity covered by one Token. A customer orders the number of license Tokens they need. Additional license Tokens can be purchased over time as the customer needs grow to cover an increase in Transaction events.

License enforcement checks compare the number of licensed Transaction events against the amount of Transaction events monitored by the product within a calendar day period. Whenever usage reaches a threshold of 75% of entitled license limit, the product will issue a warning to the system administrator. Also, license enforcement checks will admit a maximum of 5-license limit exceeding within a 30-day period. More than 5-license limit exceeding occurrences shall be deemed as a license violation and the product will issue a warning to the system administrator. The product may not allow the entitled license limit to be exceeded by more than 10% and thus may not process the events/entities which are in excess of the limit.

The Perpetual License Model for HCLTech Revenue Intelligence Optional Features

HCLTech Revenue Intelligence optional features complement HCLTech Revenue Intelligence product license offerings with:

- Advanced Link Analysis capabilities to investigate the relationships between events and entities (e.g., contact number provided by subscribers, dealer who activated services). This feature is licensed by number of distinct relationship types (e.g., called, sold, used) among two object types (e.g., phone number, dealer, device). Each license unit covers up to 10 relationship types.
- Machine Learning based fraud detection capabilities to implement Behavior Match, Fraud Propensity and Anomaly Detection which are licensed by number of Profiles (collection of information that contains critical information used to identify fraudulent behavior such as: Usage Data, Case Data, Subscriber Data, etc.). Licenses are purchased in blocks of one Profile. A customer orders the number of license blocks they need. Additional license blocks can be purchased over time as the customer needs grow to cover an increase in Profile needed.
- Fraud analytics implemented by Query Engine and Workflow Manager which is licensed by number of Workflows. Licenses are purchased in blocks of 5 published Workflows. A customer orders the number of needed license blocks. Additional license blocks can be purchased over time as the customer needs grow to cover new use cases publishing new Workflow instances.
- Access to data stored in external analytical datastore through Event Archive Adaptor which is licensed by the number of external analytic datastore types. One license unit is needed for each additional analytic datastore type.

License enforcement checks compare the number of licensed Relationship/Profiles/Workflows/Event Archive Adaptors respectively against the amount of Relationship configured, Profiles monitored, Workflows run or Analytical datastore accessed by the product within a calendar day period.

The Perpetual License Model for HCLTech Revenue Intelligence Embedded Platform

Database management system license can be optionally purchased as embedded in Revenue Intelligence products. Database management system license is restricted to HCLTechs Revenue Intelligence products only and is licensed by the number of CPU Cores. A specific license is required for Dev/Test which may require an additional license fee. Licensee may use the license for Standby Nodes without any additional fee subject to the following limitations:

1. The Standby Node will be used for less than 10 days and less than ten times in a calendar year.
2. Database instances must to be dismounted in the Standby Node.

The Consumption License Model for HCLTech Revenue Intelligence

This offering gives the right to use the HCLTech Revenue Intelligence software during a limited period, with a minimal term of 3 months, to be renewed or extended if needed. There will be a pre-determined minimum number of events per month (where and event represents a single record fed into the system that will be either analyzed or archived by the fraud system) that will be charged, and invoicing will occur quarterly in arrears based on actual usage. Interfering or disabling any software designed to allow HCLTech to monitor consumption will be a material breach of this license. After termination of the consumption contract, the customer has no further rights to use the HCLTech Revenue Intelligence software.

The Subscription License Model for HCLTech Revenue Intelligence

This offering gives the right to use the HCLTech Revenue Intelligence software during a limited period, with a minimum term of one year, to be renewed or extended if needed. With the exception that the license is a term-based license valid for one year, all the conditions related to perpetual license as defined in the perpetual license above shall apply.

Additional license terms

	Term
A.	HCLTech offers pre-release versions of its software that might include features or full content that is subject to additional modifications by HCLTech prior to full commercial release. These additional terms and conditions ("Tech Preview Additional Terms") are available at https://www.hcltech.com/software/licensing and apply to the licensing and downloading of Software identified as a "Tech Preview Version". These terms are in addition to HCLTech's standard End User License Agreement (EULA) or, if applicable, the license terms agreed between HCLTech and you in any agreement with HCLTech you may have related to the production version of the related software.
B.	Software may contain open source and/or third-party software and associated specifications that are confidential to, and trade secrets of, such parties. You will not take any action other than to Use it as authorized under the agreement as part of the software products and will not disclose it to third parties. A list of any third-party and/or open-source related licensing terms may be found on the Software Updates page.
C.	You shall use the third-party software only as authorized in this License Agreement and only as a complete product and may not use portions of such third-party software on a standalone basis separate from the HCLTech Revenue Intelligence Software.
D.	You may only access the IBM SPSS Software through HCLTech FRM Software. You may not use third-party or IBM tools to access the IBM SPSS Software.