



Solving the Oracle Licensing Challenge



Aspera

APPLIED SOLUTIONS

1 Overview

1.1 Aspera SmartTrack architecture

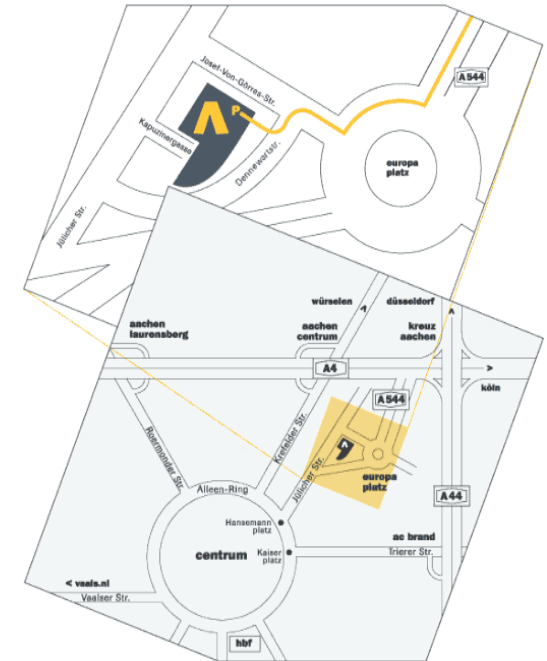
1.2 SmartTrack for Oracle license management – a process oriented approach

- Verifying existing Oracle licenses are used according to Oracle rules
- Verifying the license metric for existing licenses
- Determining the license metric for “unknown” Oracle licenses
- Calculating the amount of required licenses

1.3 SmartTrack compliance check

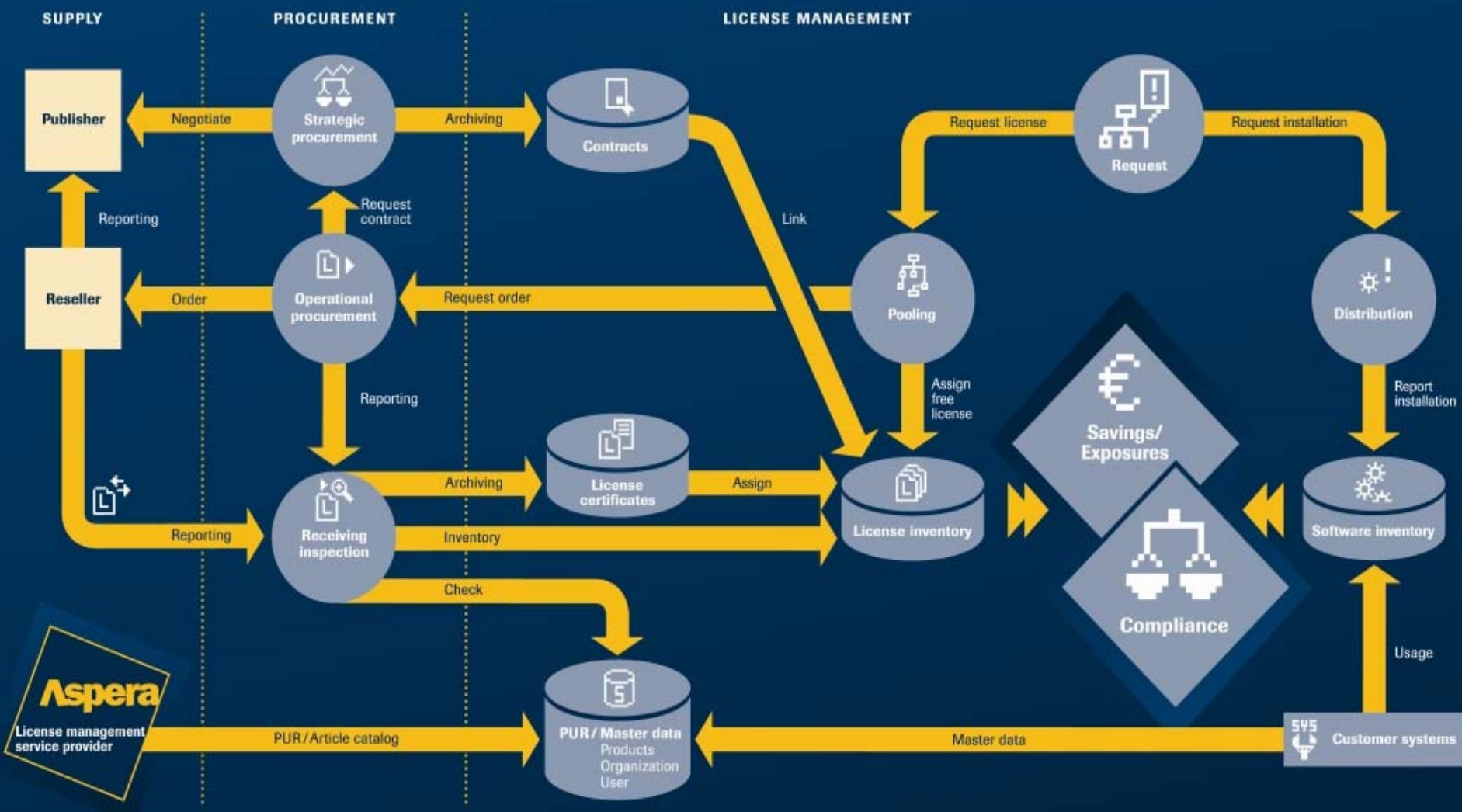
2.1 The Company

- Founded: 2000
- Legal Form: GmbH (LLC)
- Managing partners:
Bernhard Boehler, Christof Beaupoil, Keith Sauvant
- Employees: 30
- Products: SmartTrack, FC, ICM, CMM, FM
- Customers: National and international organizations, institutions, and mid-sized enterprises



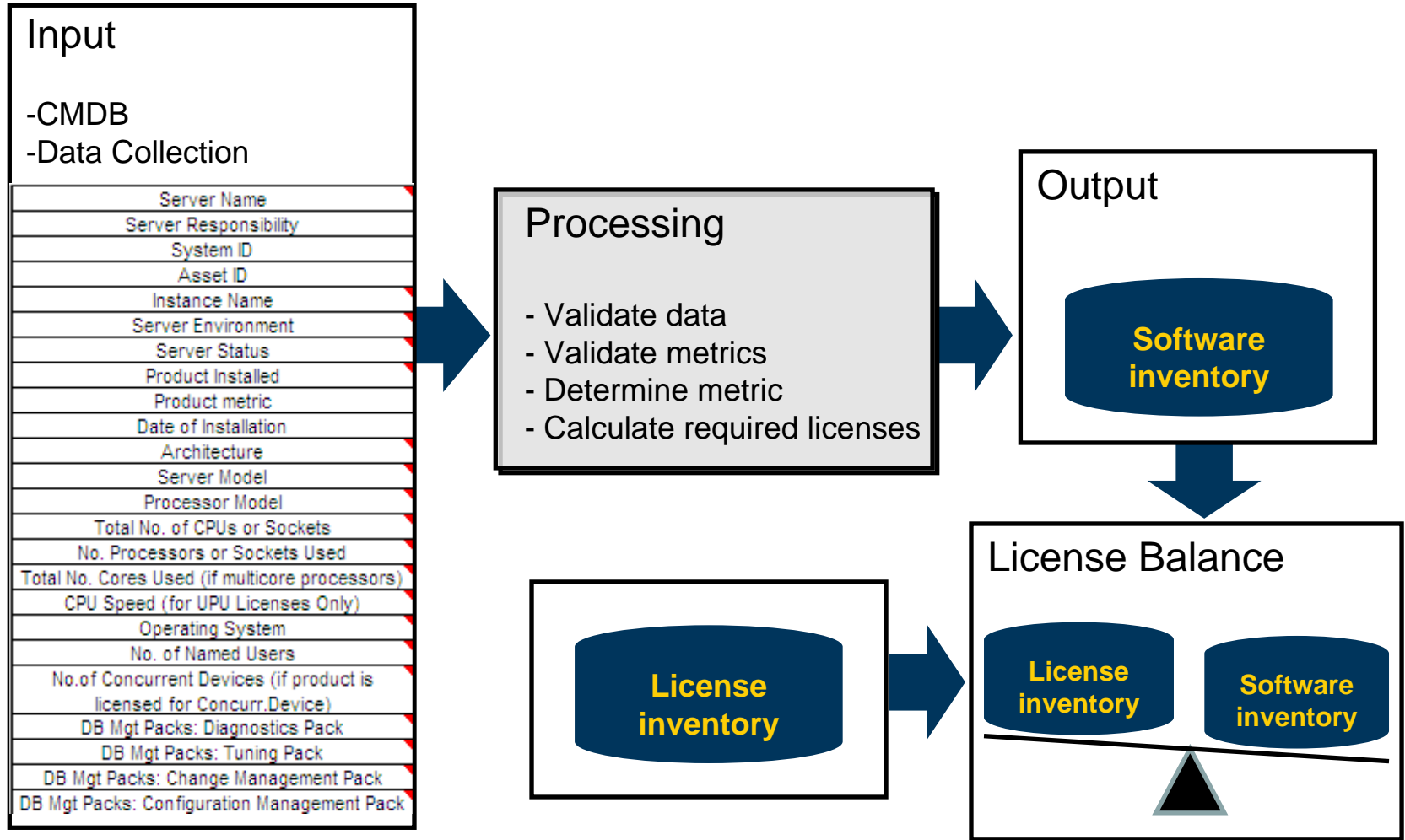
Aspera SmartTrack software license management

ST License inventory Licenses received ICM Usage Compliance CMM Contracts FC Processes FM Finances € Reports Master data Administration MY My account



3 SmartTrack Process Overview

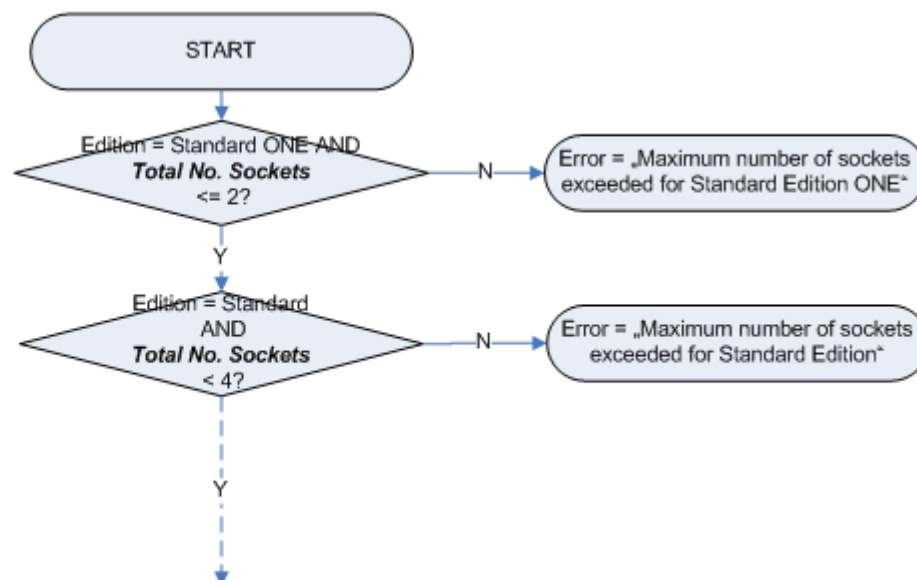
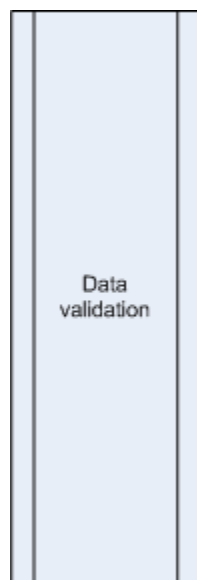
3.1 The Process



4 PreProcessing Step 1 – Validate existing data

4.1 Check if the chosen Oracle product and hardware comply with the manufacturer's rules:

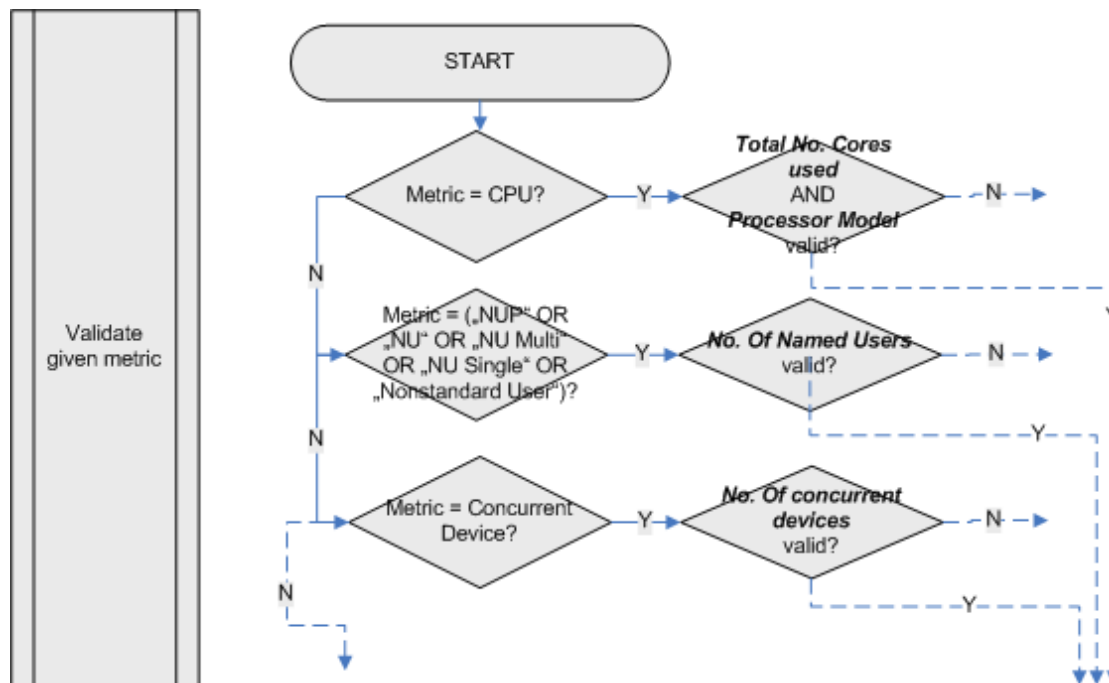
- Oracle Database Standard Edition One (SE1) SHOULD NOT be installed on machines with more than 2 CPU sockets.
- Oracle Database Standard Edition (SE) SHOULD NOT be installed on machines with more than 4 CPU sockets.
- and so on...



5 PreProcessing Step 2 – Validate metrics for existing licenses

5.1 Check necessary attributes if the product metric is known:

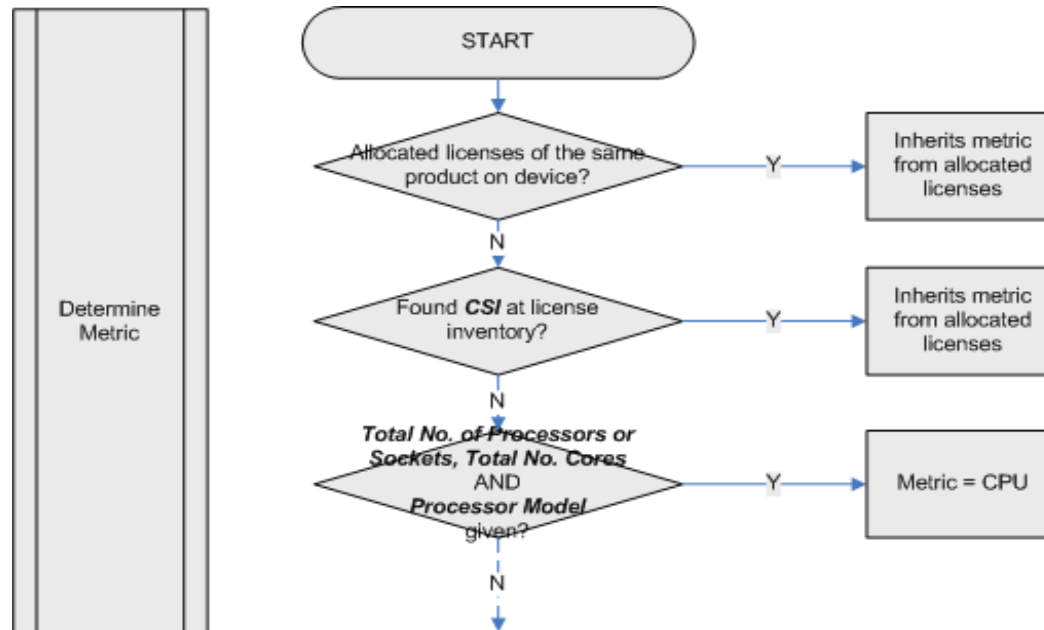
- For CPU Licensing: are the fields “CPU Total Cores” and “Processor Model” given and valid?
- For Named User Licensing: is the field “No. of Named Users” given and valid?
- For Concurrent Device Licensing: is the field “No. of Concurrent Devices” given and valid?
- and so on...



6 PreProcessing Step 3 – Determine Metric for “Unknown” Licenses

6.1 Validate calculation base for licensing if the product metric is unknown:

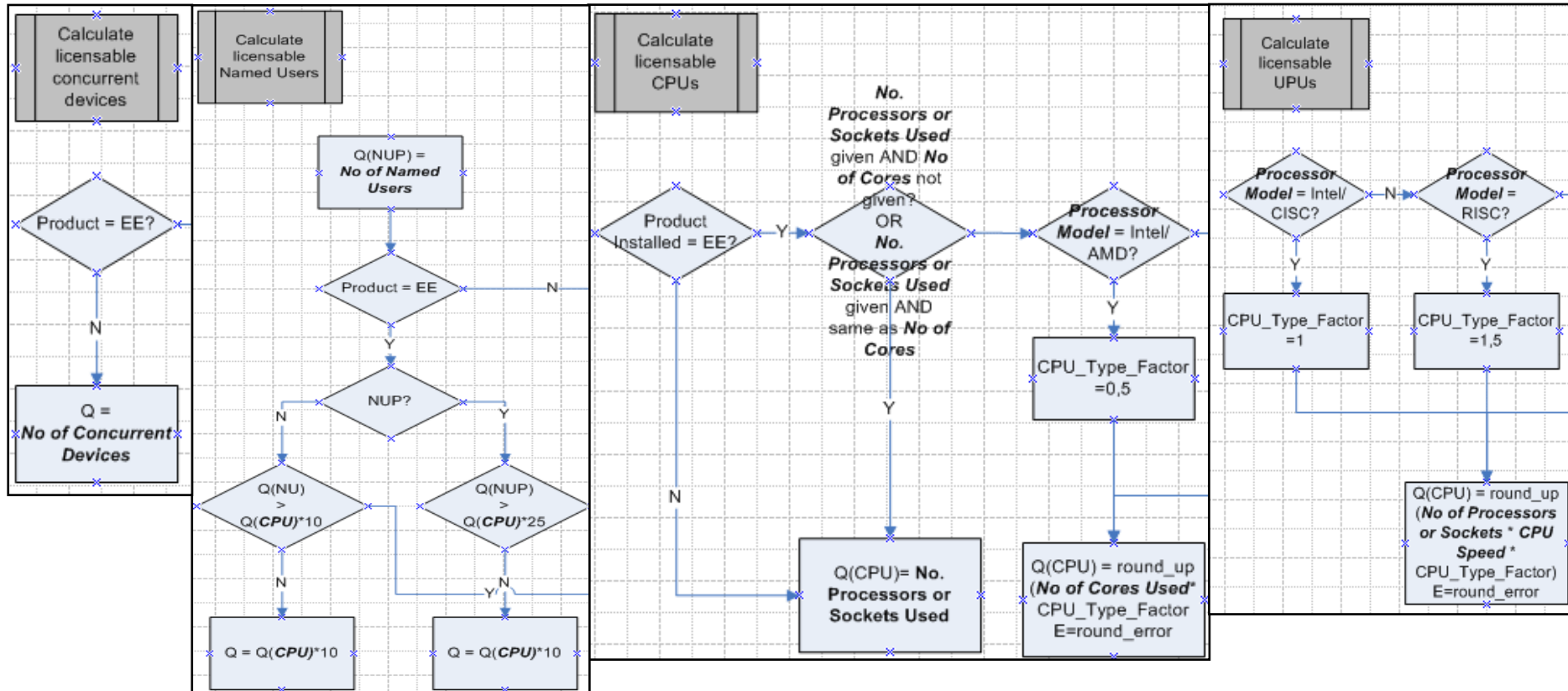
- Are there already allocated licenses of the specific product on the specified device?
- Are there already licenses with the same value in field “CSI” found in license inventory?
- Are the fields “Total No. of Processors or Sockets”, “Total No. of Cores” and “Processor Model” given and valid?
- and so on...



7 PreProcessing Step 4 – Calculate Required Licenses

7.1 This step calculates the quantity of required licenses according to the installation of the specified Oracle software:

- Determine hardware factor according to Oracle's definition.
- Calculate quantity depending on metric.



8 SmartTrack Compliance Analysis

8.1 Finally, both license inventory and software inventory can be analyzed and statements of compliance can be made.

- Check and correct under and/or over licensing.
- Check financial risks (“cost of compliance”).
- Obtain useful information to prepare for contract and vendor negotiations.

Product name	Usage rights	SUM	Unlimited usage rights (group)	Hardware (requires licence)	SUM	User (requires licence)	SUM	Requests (total)	SUM	Single balance	SUM+ SUM-	Downgrade ↑	SUM	Balance	SUM+ SUM-	Value (EUR)	SUM+ SUM-
Oracle Database Enterprise Edition Named User Plus		25	-		0.00		30.00		0		-5		0	↓	-5	↓	-2,960.00
Oracle Database Enterprise Edition Options Real Application Clusters CPU		0	-		4.00		0.00		0		-4		0	↓	-4	↓	-4.00
Oracle Database Enterprise Edition Options OLAP CPU		0	-		4.00		0.00		0		-4		0	↓	-4	↓	-4.00
Oracle Database Enterprise Edition Options Advanced Security CPU		0	-		4.00		0.00		0		-4		0	↓	-4	↓	-4.00
Oracle Database Enterprise Options Real Application Cluster CPU		4	-		0.00		0.00		0		4		0	↑	4		
Oracle Database Enterprise Options OLAP CPU		4	-		0.00		0.00		0		4		0	↑	4		
Oracle Database Enterprise Options Advanced Security CPU		4	-		0.00		0.00		0		4		0	↑	4		
Oracle Database Standard Edition ONE CPU		16	-		8.00		0.00		0		8		0	↑	8	↑	28,432.00
Oracle Database Enterprise Edition Options Spatial CPU		4	-		4.00		0.00		0		0		0	↔	0	↔	0.00
Oracle Database Enterprise Edition CPU		4	-		8.00		0.00		0		-4		0	↓	-4	↓	-118,448.00



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