Use Case Scenario Report

Package: Use Case Model

Package: Actors

Package: Primary Use Cases

Detail:			
Use Case Name:	Inkless sends wafermap		
Status:	Proposed	Version: 1.0	Phase: 1.0
Author:			
Created on:	19/11/2005	Modified on:	13/05/2009
Notes:			
Scenarios:			
Alternate	conversion fails and is restarted successfully		1. Message received from inkless by the ISPL Partner 2. Wafermap is stored in local database 3. Conversion to ISPL format fails 4. Error message of converter is collected 5. Format an email message with the error and information about the failed wafer 6. Send email to the appropriate Probing Area Responsible 7. Probing Area Responsible restarts the conversion through the web interface 8. Wafermap is updated with ISPL format 9. Wafermap is queued for transmission to ISPL
Alternate	Conversion has failed and a new wafermap for the same wafer arrives from inkless.		1. Message received from inkless by the ISPL Partner 2. Wafermap is stored in local database 3. Conversion to ISPL format fails 4. Error message of converter is collected 5. Format an email message with the error and information about the failed wafer 6. Send email to the appropriate Probing Area Responsible 7. Message received from inkless by the ISPL Partner 8. Wafermap is updated in local database with new wafermap data 9. Wafermap is converted to ISPL format 10. Wafermap is updated in local database with ISPL format

		11. Wafermap is queued for transmission to ISPL
Basic Path	Inkless sends a wafermap	1. Message received from inkless by the ISPL Partner 2. Wafermap is stored in local database 3. Wafermap is converted to ISPL format 4. Wafermap is updated in local database with ISPL format 5. Wafermap is queued for transmission to ISPL
Constraints:		

Use Case Name:	Prepare Report		
Status:	Proposed	Version: 1.0	Phase: 1.0
Author:	pti		
Created on:	12/05/2009	Modified on:	12/05/2009
Notes:	There are a couple of use cases related to reporting, although they serve differnet busines goals they are concpetually the same use case. This use case is an umbrella for these in order to reduce complexity.		
Scenarios:			
Basic Path	Prepare a report	1. Collect the report template, report paramaeters and desired format 2. Render the report 3. Make the report available to the requester	
Constraints:			

Use Case Name:	Prepare global performance report		
Status:	Proposed	Version: 1.0	Phase: 1.0
Author:	pti		
Created on:	11/05/2009	Modified on:	13/05/2009
Notes:			
Scenarios:			
Basic Path	Prepare global performance report	1. Select the Global Performanace report template, collect the desired period 2. Render the report 3. Make it available to the	

	requester
Constraints:	

Use Case Name:	Prepare site specific perfomance report		
Status:	Proposed	Version: 1.0	Phase: 1.0
Author:	pti		
Created on:	11/05/2009	Modified on:	13/05/2009
Notes:			
Scenarios:			
Basic Path	performance report		1. Select the site performance report template, collect the desired period 2. Render the report 3. Make it available to the requester

Use Case Name:	Prepare wafermap transfer report for device or lot		
Status:	Proposed	Version: 1.0	Phase: 1.0
Author:	pti		
Created on:	11/05/2009	Modified on:	13/05/2009
Notes:			
Scenarios:			
Alternate	primary		1. Select the Wafermap transfer report template, collect the desired lot or device 2. Render the report 3. Make it available to the requester
Constraints:			

Use Case Name:	Send exception report		
Status:	Proposed	Version: 1.0	Phase: 1.0
Author:	pti		
Created on:	11/05/2009	Modified on:	13/05/2009
Notes:			

Scenarios:		
Simple	exception report	1. Select the exception report template, collect the desired period 2. Render the report 3. Make it available to the requester
Constraints:		

Use Case Name:	Setup new device for inkless wafermap transfer		
Status:	Proposed	Version: 1.0	Phase: 1.0
Author:	pti		
Created on:	11/05/2009	Modified on:	12/05/2009
Notes:			
Scenarios:			
Basic Path	Create device parameters	1. Create new device parameters using sensible defaults 2. Update the conversion parameters for the new device 3. Store them in the local database	
Alternate	Delete device parameters	1. Delete a device from the tables	
Alternate	Update device parameters	1. Update the conversion parameters for the device 2. Store them in the local database	
Constraints:			

Use Case Name:	Wafermaps sent to ElmosAP		
Status:	Proposed	Version: 1.0	Phase: 1.0
Author:			
Created on:	20/11/2005	Modified on:	13/05/2009
Notes:	The wafermaps are stored in a form suitable for transmission over the prescribed protocol. FTP Host : 193.238.252.5 FTP Username : melexis FTP Password : melexisftp		

	Map Format : ElmosAP Map Transfer : ftp Map Filename : equal like scribed ID (A84285-01-F0), one zip-File per Lot (A84285.zip) Map Folder : to be determined FTP logfile : to be determined Comments : In the past it was not possible to download the maps at Elmos AG. The files are send by mail, further investigation from IT is necessary $ ftp -n 193.238.252.5 Connected to 193.238.252.5. 421 Service not available, remote server has closed connection ftp> bye It appears there is further configuration needed at remote side to get ftp operational.

Scenarios:

Alternate	Lot does not get complete	Precondition: A preset time has passed and there are still wafers waiting in the temporary condition Scenario: 1. Generate an exception that an incpmplete lot is waiting too long now 2. Send it to the Probing Area Responsible PostCondition: The Probing area reponsible is notified timely of a stuck lot.
Basic Path	Non last wafermap arrived	Precondition: A wafermap arrives, but it is not the last wafermap of the lot. Scenario: 1. Save the wafermap. Mark the date when it was received. Post condition: The wafermap is stored, ready to be packed.
Basic Path	Send wafermap to ElmosAP	1. Store wafermap file in temporary location (could be implicit) and mark the

	time 2. When the last wafermap of the lot is received bundle them in a zip and send using ftp to ElmosAP 3. Remove the wafers from the temporary location after sending (do not take this to literally, a status flag will do nicely or something, do not delete from local database)
Constraints:	

Use Case Name:	Wafermaps sent to ISPL		
Status:	Proposed	Version: 1.0	Phase: 1.0
Author:	pti		
Created on:	11/05/2009	Modified on:	13/05/2009
Notes:	ISPL expects the wafermaps in Amkor format with the exception that there are 2 pass bincodes. The wafermaps are bundled together in an archive file and sent to the ftp server.		

Scenarios:		
Alternate	Last wafermap does not arrive on time	Precondition: A preset time has passed and there are still wafers waiting in the temporary condition Scenario: 1. Generate an exception that an incpmplete lot is waiting too long now 2. Send it to the Probing Area Responsible PostCondition: The Probing area reponsible is notified timely of a stuck lot.
Basic Path	Last wafermap is sent to subcontrator.	Precondition : Wafermap is arrived and it is the last of the lot. Scenario: 1. Store wafermap in a temprary location and note the time 2. bundle the wafermaps together in an archive 3. Send the archive using ftp to the subcontractor Postcondition: The wafermaps are sent to the subcontractor.
Basic Path	Non-Last wafermap is sent to	Precondition :

	Wafermap is arrived and it is not the last of the lot. Scenario: 1. Store wafermap in a temprary location and note the time Postcondition: The wafermaps are waiting for the lot to be complete.
Constraints:	