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Load Unload HTTP/JSON
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Load Unload HTTP/JSON

Service Description

Service ID: *"load-unload-tray"*

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1   Overview

This document describes the service "get-detone" and "get-dettwo", as they works the same they will referred as "get-det" throughout this document. With the same principle "detone" and "dettwo" will be referred as "det". The interface uses HTTP REST protocol and JSON encoding.

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2   Service Interface

This section lists the functions of the service.

2.1   function Load Unload Tray (ArmRequestDTO) : ArmResponseDTO

Called to tell the Arm to load/unload. It has the loading as input, and outputs the success of the operation.

3   Information Model

Data objects that can be part of the service. Note that all the structure are encoded in JSON :

3.1   struct ArmRequestDTO

Request to the robot arm.

Object Field	Value Type	Description
"Loading Mode"	boolean	Load or Unload

3.2   struct ArmResponseDTO

Response of the robot arm, about the success of reading the sensor and loading/unloading.

Object Field	Value Type	Description
"Sensor Read Status"	boolean	Success at reading the sensor
"Loading Process Status;"	boolean	Success at loading/unloading a product piece

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4 References

This document alongside any other document linked to this project are based on template documents, that are the description of "Intercloud Contract Negotiation and Automation" system, by Emanuel Palm [emanuel.palm@ltu.se]. I just adapted the template to my system.

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5 Revision History

5.1 Amendments

No.	Date	Version	Subject of Amendments	Author
1				

5.2 Quality Assurance

No.	Date	Version	Approved by
1			