

# User Stories for MS CRM APIs - ClaimedStandard

## ClaimedStandard

A *ClaimedStandard* is an assertion made by a solution that it meets the requirements, or implements, a standard. For each *ClaimedStandard*, a supplier will submit some evidence which is then assessed by an NHS assurance and compliance team.

### /ClaimedStandard/Create

#### User Story

As an API user, I want to create a new claimed standard

#### Acceptance Criteria

- a user should be able to create a new claimed standard and have this new claimed standard returned to them

#### Test Cases

The one where...	Test Case
I create a new claimed standard	<p><b>Given:</b> there are no claimed standard records in CRM</p> <p><b>And:</b> there is a solution record (S00) in CRM</p> <p><b>And:</b> there is a standard record (Std00) in CRM</p> <p><b>And:</b> I create an in-memory claimed standard record (CS00) which references a solution (S00) and a standard (Std00)</p> <p><b>When:</b> I call the API with a claimed standard record (CS00)</p> <p><b>Then:</b> a claimed standard record (CS00) is returned with its CRM identifier</p> <p><b>And:</b> a HTTP status code of 200 is returned</p>
the solution is not in CRM	<p><b>Given:</b> there are no claimed standard records in CRM</p> <p><b>And:</b> I create an in-memory solution record (S00)</p> <p><b>And:</b> there is a standard record (Std00) in CRM</p> <p><b>And:</b> I create an in-memory claimed standard record (CS00) which references a solution (S00) and a standard (Std00)</p> <p><b>When:</b> I call the API with a claimed standard record (CS00)</p> <p><b>Then:</b> no claimed standard record is returned</p> <p><b>And:</b> a HTTP status code of 404 is returned</p>
the standard is not in CRM	<p><b>Given:</b> there are no claimed standard records in CRM</p> <p><b>And:</b> I create an in-memory standard record (Std00)</p> <p><b>And:</b> there is a solution record (S00) in CRM</p> <p><b>And:</b> I create an in-memory claimed standard record (CS00) which references a solution (S00) and a standard (Std00)</p> <p><b>When:</b> I call the API with a claimed standard record (CS00)</p> <p><b>Then:</b> no claimed standard record is returned</p> <p><b>And:</b> a HTTP status code of 404 is returned</p>

### /ClaimedStandard/Update

#### User Story

As an API user, I want to change information for an existing claimed standard

## Acceptance Criteria

- a user should be able to change information about an existing claimed standard
- if the claimed standard does not exist, then an error code should be returned
- if the solution does not exist, then an error code should be returned
- if the standard does not exist, then an error code should be returned

## Test Cases

The one where...	Test Case
I update a claimed standard	<b>Given:</b> there is a claimed standard record in CRM (CS00) <b>And:</b> I create an in-memory claimed standard record (CS00a) based on an existing record (CS00) <b>When:</b> I call the API with a claimed standard record (CS00a) <b>Then:</b> a HTTP status code of 200 is returned
the claimed standard is not in CRM	<b>Given:</b> there are no claimed standard records in CRM <b>And:</b> I create an in-memory claimed standard record (CS00) <b>When:</b> I call the API with a claimed standard record (CS00) <b>Then:</b> a HTTP status code of 404 is returned
the solution is not in CRM	<b>Given:</b> there is a claimed standard record in CRM (CS00) <b>And:</b> I create an in-memory solution record (S00) <b>And:</b> I create an in-memory claimed standard record (CS00a) based on an existing record (CS00) which references a solution (S00) <b>When:</b> I call the API with a claimed standard record (CS00a) <b>Then:</b> a HTTP status code of 404 is returned
the standard is not in CRM	<b>Given:</b> there is a claimed standard record in CRM (CS00) <b>And:</b> I create an in-memory standard record (Std00) <b>And:</b> I create an in-memory claimed standard record (CS00a) based on an existing record (CS00) which references a standard (Std00) <b>When:</b> I call the API with a claimed standard record (CS00a) <b>Then:</b> a HTTP status code of 404 is returned

## /ClaimedStandard/BySolution/{solutionId}

### User Story

As an API user, I want to get existing claimed standard/s on which are related to a solution, in a paged list, given the CRM identifier of the solution

## Acceptance Criteria

- a user should be able retrieve all claimed standard/s associated with a solution
- if the solution does not exist, then an error code should be returned
- a user should be able to specify how many records (page size) are returned at a time
- a user should be able to specify an offset (index) into the total records
- if a user specifies an invalid value for how many records (page size), it should use a default value (20)
- if a user specifies an invalid value for an offset (index), it should use a default value (1)

## Test Cases

The one where...	Test Case
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I retrieve all claimed capabilities in one page	<p><b>Given:</b> there are (1, 2, 19, 20) claimed standard records (CC00, ...) in CRM</p> <p><b>And:</b> there is a solution record (S00) in CRM</p> <p><b>And:</b> a solution record (S00) is associated with all claimed standard (CC00, ...) in CRM</p> <p><b>When:</b> I call the API with a CRM identifier of a solution (S00)</p> <p><b>Then:</b> all claimed standard records (CC00, ..) are returned</p> <p><b>And:</b> a HTTP status code of 200 is returned</p>
the solution is not in CRM	<p><b>Given:</b> there are (1, 2, 19, 20) claimed standard records (CC00, ...) in CRM</p> <p><b>And:</b> I create an in-memory solution record (S00)</p> <p><b>When:</b> I call the API with a CRM identifier of a solution (S00)</p> <p><b>Then:</b> an empty list of claimed standard records is returned</p> <p><b>And:</b> a HTTP status code of 404 is returned</p>
I retrieve the first 3 claimed capabilities	<p><b>Given:</b> there are 66 claimed standard records (CC00, ... CC65) in CRM</p> <p><b>And:</b> there is a solution record (S00) in CRM</p> <p><b>And:</b> a solution record (S00) is associated with all claimed standard (CC00, ... CC65) in CRM</p> <p><b>When:</b> I call the API with a page size of 3 and an index of 1 and CRM identifier of a solution (S00)</p> <p><b>Then:</b> claimed standard records (CC00, CC01, CC02) are returned</p> <p><b>And:</b> a HTTP status code of 200 is returned</p>
I retrieve the second 3 claimed capabilities	<p><b>Given:</b> there are 66 claimed standard records (CC00, ... CC65) in CRM</p> <p><b>And:</b> there is a solution record (S00) in CRM</p> <p><b>And:</b> a solution record (S00) is associated with all claimed standard (CC00, ... CC65) in CRM</p> <p><b>When:</b> I call the API with a page size of 3 and an index of 2 and CRM identifier of a solution (S00)</p> <p><b>Then:</b> claimed standard records (CC03, CC04, CC05) are returned</p> <p><b>And:</b> a HTTP status code of 200 is returned</p>
I specify an invalid page size	<p><b>Given:</b> there are 66 claimed standard records (CC00, ... CC65) in CRM</p> <p><b>And:</b> there is a solution record (S00) in CRM</p> <p><b>And:</b> a solution record (S00) is associated with all claimed standard (CC00, ... CC65) in CRM</p> <p><b>When:</b> I call the API with a page size of (-1, 0, 21, 60) and CRM identifier of a solution (S00)</p> <p><b>Then:</b> first 20 (default page size) claimed standard records for (CC00 .. CC19) are returned</p> <p><b>And:</b> a HTTP status code of 200 is returned</p>
I specify an invalid index	<p><b>Given:</b> there are 66 claimed standard records (CC00, ... CC65) in CRM</p> <p><b>And:</b> there is a solution record (S00) in CRM</p> <p><b>And:</b> a solution record (S00) is associated with all claimed standard (CC00, ... CC65) in CRM</p> <p><b>When:</b> I call the API with an index of (-1, 0) and CRM identifier of a solution (S00)</p> <p><b>Then:</b> first 20 (default page size) claimed standard records for (CC00 .. CC19) are returned</p> <p><b>And:</b> a HTTP status code of 200 is returned</p>

