

v2. 3.2 API Updates for External Users



Owned by [Wrijoya Roy](#) ...
Yesterday at 2:40 PM

Changelog

[3.2.0.0] - 2023-11-02

Changelog

[release 3.2.0.0]

Assessment Summary

Added `greenMipInd` and `grpInd` to `SummaryDetailDto`

1. **Endpoint:** `/assessments/{assessmentId}/summary`

- **Description:** Returns the assessment summary for an assessment.
- **Request Method:** GET
- **Response Body:** Added `greenMipInd` and `grpInd` to Assessment Summary

```
1  {
2    "greenMipInd": {
3      "id": "87B3AA49-2542-4153-A473-D6CF5AB322AD",
4      "value": null,
5      "valueType": "STRING",
6      "defaultValue": null,
7      "validators": [
8        "FORMAT(^[YN]{1}$)"
9      ],
10     "minChar": null,
11     "maxChar": 1,
12     "minValue": null,
13     "maxValue": null,
14     "fieldRule": "OPTIONAL",
15     "conditionalFieldRule": null
16   },
17   "grpInd": {
18     "id": "491745DF-8074-4C74-A7E8-CD6968C88F52",
19     "value": null,
20     "valueType": "STRING",
21     "defaultValue": null,
22     "validators": [
23       "FORMAT(^[YN]{1}$)"
24     ],
25     "minChar": null,
26     "maxChar": 1,
27     "minValue": null,
28     "maxValue": null,
29     "fieldRule": "OPTIONAL",
30     "conditionalFieldRule": null
31   }
32 }
33
```

2. Endpoint: /api/v1/assessments/blank/summary

- **Description:** Creates a new assessment with initial summary data..
- **Request Method:** POST
- **Response Body:** Same as GET request
- **Request Body:** Added json Field Details `greenMipInd` and `grpInd`

```
1  {
2    "greenMipInd": {
3      "id": "87B3AA49-2542-4153-A473-D6CF5AB322AD",
4      "value": null,
5      "valueType": "STRING",
6      "defaultValue": null,
7      "validators": [
8        "FORMAT(^[YN]{1}$)"
9      ],
10     "minChar": null,
11     "maxChar": 1,
12     "minValue": null,
13     "maxValue": null,
14     "fieldRule": "OPTIONAL",
15     "conditionalFieldRule": null
16   },
17   "grpInd": {
18     "id": "491745DF-8074-4C74-A7E8-CD6968C88F52",
19     "value": null,
20     "valueType": "STRING",
21     "defaultValue": null,
22     "validators": [
23       "FORMAT(^[YN]{1}$)"
24     ],
25     "minChar": null,
26     "maxChar": 1,
27     "minValue": null,
28     "maxValue": null,
29     "fieldRule": "OPTIONAL",
30     "conditionalFieldRule": null
31   }
32 }
33
```

3. Endpoint: /assessments/{assessmentId}/summary

- **Description:** Updates the assessment summary for an assessment.
- **Request Method:** PUT
- **Response Body:** Same as GET request (1)
- **Request Body:** Same as POST request (2)

Assessment Scope

Added `highRiskCategoryInd`, `floodHazardZone`, `nationalRiskIndex`, `femaFirmMap` and `femaFirmComment` to `ScopeDetailDto`.
Added new API to return FEMA reference data.

1. Endpoint: /api/v1/assessments/{assessmentId}/scope/blank

- **Description:** Get a blank assessment scope.
- **Request Method:** GET
- **Request Params:** No change

- **Response Body:** Adding `highRiskCategoryInd`, `floodHazardZone`, `nationalRiskIndex`, `femaFirmMap` and `femaFirmComment`

```
1  "highRiskCategoryInd": {
2    "id": "B124C310-BE1C-449C-8A81-6696D48C7435",
3    "value": null,
4    "valueType": "STRING",
5    "defaultValue": null,
6    "validators": [],
7    "minChar": null,
8    "maxChar": null,
9    "minValue": null,
10   "maxValue": null,
11   "fieldRule": "OPTIONAL",
12   "conditionalFieldRule": null
13 },
14 "femaFirmComment": {
15   "id": "FB4A6F34-B76B-44D9-B875-3B7A36E1D3F8",
16   "value": "hello",
17   "valueType": "STRING",
18   "defaultValue": null,
19   "validators": [],
20   "minChar": null,
21   "maxChar": null,
22   "minValue": null,
23   "maxValue": null,
24   "fieldRule": "OPTIONAL",
25   "conditionalFieldRule": null
26 },
27 "floodHazardZone": {
28   "id": "9D59705E-86F1-40EC-9C8E-45ED38880234",
29   "value": null,
30   "valueType": "STRING",
31   "defaultValue": null,
32   "validators": [],
33   "minChar": null,
34   "maxChar": null,
35   "minValue": null,
36   "maxValue": null,
37   "fieldRule": "OPTIONAL",
38   "conditionalFieldRule": null
39 },
40 "nationalRiskIndex": {
41   "id": "8279A9C1-D209-4201-BEF1-2D1A8C215CFE",
42   "value": null,
43   "valueType": "NUMBER",
44   "defaultValue": null,
45   "validators": [],
46   "minChar": null,
47   "maxChar": null,
48   "minValue": null,
49   "maxValue": null,
50   "fieldRule": "OPTIONAL",
51   "conditionalFieldRule": null
52 },
53 "femaFirmMap": []
54 }
```

2. Endpoint: `/api/v1/assessments/{assessmentId}/scope`

- **Description:** Returns the assessment scope for an assessment.

- **Request Method:** GET
- **Request Params:** No change
- **Response Body:** Adding `highRiskCategoryInd`, `floodHazardZone`, `nationalRiskIndex`, `femaFirmMap` and `femaFirmComment`. Same as GET blank (1)

3. Endpoint: `/api/v1/assessments/{assessmentId}/scope`

- **Description:** Update the assessment scope for an assessment.
- **Request Method:** PUT
- **Request Params:** No change
- **Response Body:** Same as GET blank (1)
- **Request Body:** Added json Field Details `highRiskCategoryInd`, `floodHazardZone`, `nationalRiskIndex` and `femaFirmComment` and list of `femaFirmMap`

```

1  "highRiskCategoryInd": {
2    "id": "B124C310-BE1C-449C-8A81-6696D48C7435",
3    "value": null,
4    "valueType": "STRING",
5    "defaultValue": null,
6    "validators": [],
7    "minChar": null,
8    "maxChar": null,
9    "minValue": null,
10   "maxValue": null,
11   "fieldRule": "OPTIONAL",
12   "conditionalFieldRule": null
13 },
14 "femaFirmComment": {
15   "id": "FB4A6F34-B76B-44D9-B875-3B7A36E1D3F8",
16   "value": "hello",
17   "valueType": "STRING",
18   "defaultValue": null,
19   "validators": [],
20   "minChar": null,
21   "maxChar": null,
22   "minValue": null,
23   "maxValue": null,
24   "fieldRule": "OPTIONAL",
25   "conditionalFieldRule": null
26 },
27 "floodHazardZone": {
28   "id": "9D59705E-86F1-40EC-9C8E-45ED38880234",
29   "value": null,
30   "valueType": "STRING",
31   "defaultValue": null,
32   "validators": [],
33   "minChar": null,
34   "maxChar": null,
35   "minValue": null,
36   "maxValue": null,
37   "fieldRule": "OPTIONAL",
38   "conditionalFieldRule": null
39 },
40 "nationalRiskIndex": {
41   "id": "8279A9C1-D209-4201-BEF1-2D1A8C215CFE",
42   "value": null,
43   "valueType": "NUMBER",
44   "defaultValue": null,

```

```

45     "validators": [],
46     "minChar": null,
47     "maxChar": null,
48     "minValue": null,
49     "maxValue": null,
50     "fieldRule": "OPTIONAL",
51     "conditionalFieldRule": null
52 },
53 "femaFirmMap": []
54 }

```

4. **Endpoint:** /api/v1/assessments/{assessmentId}/scope/reference

- **Description:** Return some FEMA reference data for assessment scope.
- **Request Method:** GET
- **Response Body:**

```

1  {
2    "disasterRefList": [
3      {
4        "code": "AVALANCHE",
5        "description": "Avalanche"
6      },
7      {
8        "code": "COASTAL_FLOODING",
9        "description": "Coastal Flooding"
10     },
11     {
12       "code": "COLD_WAVE",
13       "description": "Cold Wave"
14     },
15     {
16       "code": "DROUGHT",
17       "description": "Drought"
18     },
19     {
20       "code": "EARTHQUAKE",
21       "description": "Earthquake"
22     },
23     {
24       "code": "HAIL",
25       "description": "Hail"
26     },
27     {
28       "code": "HEAT_WAVE",
29       "description": "Heat Wave"
30     },
31     {
32       "code": "HURRICANE",
33       "description": "Hurricane"
34     },
35     {
36       "code": "ICE_STORM",
37       "description": "Ice Storm"
38     },
39     {
40       "code": "LANDSLIDE",
41       "description": "Landslide"
42     },

```

```
43     {
44         "code": "LIGHTNING",
45         "description": "Lightning"
46     },
47     {
48         "code": "RIVERINE_FLOODING",
49         "description": "Riverine Flooding"
50     },
51     {
52         "code": "STRONG_WIND",
53         "description": "Strong Wind"
54     },
55     {
56         "code": "TORNADO",
57         "description": "Tornado"
58     },
59     {
60         "code": "TSUNAMI",
61         "description": "Tsunami"
62     },
63     {
64         "code": "VOLCANIC_ACTIVITY",
65         "description": "Volcanic Activity"
66     },
67     {
68         "code": "WILDFIRE",
69         "description": "Wildfire"
70     },
71     {
72         "code": "WINTER_WEATHER",
73         "description": "Winter Weather"
74     }
75 ],
76 "floodHazardZoneRefList": [
77     {
78         "code": "NO_FLOOD_RISK",
79         "description": "No Flood Risk"
80     },
81     {
82         "code": "ZONE_A",
83         "description": "Zone A"
84     },
85     {
86         "code": "ZONE_A99",
87         "description": "Zone A99"
88     },
89     {
90         "code": "ZONE_AE",
91         "description": "Zone AE"
92     },
93     {
94         "code": "ZONE_AH",
95         "description": "Zone AH"
96     },
97     {
98         "code": "ZONE_A0",
99         "description": "Zone A0"
100     },
101 ]
```

```

101     {
102         "code": "ZONE_AR",
103         "description": "Zone AR"
104     },
105     {
106         "code": "ZONE_V",
107         "description": "Zone V"
108     },
109     {
110         "code": "ZONE_VE",
111         "description": "Zone VE"
112     }
113 ],
114 "riskCategoryRefList": [
115     {
116         "code": "RELATIVELY_HIGH",
117         "description": "Relatively High"
118     },
119     {
120         "code": "VERY_HIGH",
121         "description": "Very High"
122     }
123 ]
124 }
125

```

Add ghgEmission

Added `ghgEmission` to `ComponentDetailDto` and `AlternativeDetailDto`

1. Endpoint: `/assessments/{assessmentId}/components/blank`

- **Description:** Return blank Component
- **Request Method:** GET
- **Response Body:** Added `ghgEmission` to `ComponentDetailDto`

```

1  {
2      "ghgEmission": {
3          "id": "926F501C-6542-4164-8F0C-FBC0DBC7342F",
4          "value": null,
5          "valueType": "DECIMAL",
6          "defaultValue": null,
7          "validators": [],
8          "minChar": null,
9          "maxChar": null,
10         "minValue": null,
11         "maxValue": null,
12         "fieldRule": "OPTIONAL",
13         "conditionalFieldRule": null
14     }
15 }

```

2. Endpoint: `/assessments/{assessmentId}/components/{componentId}`

- **Description:** Returns a detailed Component entry
- **Request Method:** GET
- **Request Params:** No change
- **Response Body:** Same as GET Blank Component (1)

3. **Endpoint:** `/assessments/{assessmentId}/components/{componentId}`

- **Description:** Updates a component entry
- **Request Method:** PUT
- **Request Params:** No change
- **Response Body:** Same as GET request
- **Request Body:** Added json fields `ghgEmission` to `ComponentDetailDto`

```
1 {
2   "ghgEmission": {
3     "id": "926F501C-6542-4164-8F0C-FBC0DBC7342F",
4     "value": null,
5     "valueType": "DECIMAL",
6     "defaultValue": null,
7     "validators": [],
8     "minChar": null,
9     "maxChar": null,
10    "minValue": null,
11    "maxValue": null,
12    "fieldRule": "OPTIONAL",
13    "conditionalFieldRule": null
14  }
15 }
```

4. **Endpoint:** `/assessments/{assessmentId}/components`

- **Description:** Creates a new component entry.
- **Request Method:** POST
- **Request Params:** No change
- **Response Body:** Same as GET request (2)
- **Request Body:** Same as PUT request (3)

5. **Endpoint:** `/assessments/{assessmentId}/components/batch`

- **Description:** A batch operation used to create and or update components for an assessment
- **Request Method:** GET/POST
- **Request Params:** No change
- **Request Body:** Include json fields `ghgEmission`, same as single request
- **Response Body:** Return the list of `ComponentDetailDto`

6. **Endpoint:** `/assessments/{assessmentId}/alternatives/blank`

- **Description:** Return blank Alternative
- **Request Method:** GET
- **Response Body:** Added `ghgEmission` to `AlternativeDetailDto`

```
1 {
2   "ghgEmission": {
3     "id": "926F501C-6542-4164-8F0C-FBC0DBC7342F",
4     "value": null,
5     "valueType": "DECIMAL",
6     "defaultValue": null,
7     "validators": [],
8     "minChar": null,
9     "maxChar": null,
10    "minValue": null,
11    "maxValue": null,
12    "fieldRule": "OPTIONAL",
13    "conditionalFieldRule": null
14  }
15 }
```



```
14   }  
15 }
```

7. **Endpoint:** `/assessments/{assessmentId}/alternatives/{alternativeId}`

- **Description:** Returns a detailed Alternative entry
- **Request Method:** GET
- **Request Params:** No change
- **Response Body:** Same as GET Blank Alternative (6)

8. **Endpoint:** `/assessments/{assessmentId}/alternatives/{alternativeId}`

- **Description:** Updates a alternative entry
- **Request Method:** PUT
- **Request Params:** No change
- **Response Body:** Same as GET request
- **Request Body:** Added json fields `ghgEmission` to `AlternativeDetailDto`

```
1 {  
2   "ghgEmission": {  
3     "id": "926F501C-6542-4164-8F0C-FBC0DBC7342F",  
4     "value": null,  
5     "valueType": "DECIMAL",  
6     "defaultValue": null,  
7     "validators": [],  
8     "minChar": null,  
9     "maxChar": null,  
10    "minValue": null,  
11    "maxValue": null,  
12    "fieldRule": "OPTIONAL",  
13    "conditionalFieldRule": null  
14  }  
15 }
```

9. **Endpoint:** `/assessments/{assessmentId}/alternatives`

- **Description:** Creates a new alternative entry.
- **Request Method:** POST
- **Request Params:** No change
- **Response Body:** Same as GET request (7)
- **Request Body:** Same as PUT request (8)

10. **Endpoint:** `/assessments/{assessmentId}/alternatives/batch`

- **Description:** A batch operation used to create and or update alternatives for an assessment
- **Request Method:** GET/POST
- **Request Params:** No change
- **Request Body:** Include json fields `ghgEmission` , same as single request
- **Response Body:** Return the list of `AlternativeDetailDto`

Add hasDiffDecision Boolean to Component List

1. **Endpoint:** `/api/v1/assessments/{assessmentId}/components`

- **Description:** Returns the list of light weight component objects used to display the list.
- **Request Method:** GET
- **Request Params:** No change
- **Response Body:** Return the list of `AlternativeDto` including `hasDiffDecision`

```

1 {
2   "canEdit": false,
3   "list": [
4     {
5       "id": "2012D174-5FBC-4B85-A6BD-7A74D7AB5D07",
6       "componentName": "34-Modified Bitumen Roofing (Low-Rise)",
7       "astmNumber": "3.3.4.2.1",
8       "componentType": "Low slope-Built-up Roof, with gravel finish",
9       "currentAge": 16,
10      "standardEu1": 20,
11      "assessedRu1": null,
12      "standardRu1": 4,
13      "ru1": 4,
14      "standardAssessedInd": "Standard",
15      "annualUtility": 0,
16      "cost": 1336.80000000,
17      "sustainAltIndicator": "N",
18      "groups": [
19        "FUTURE_REPLACEMENT"
20      ],
21      "hasDiffDecision": true
22    },
23    {
24      "id": "1FFD5FA3-5134-451D-8498-23008BBF4FA7",
25      "componentName": "108-Division 26 - Electrical",
26      "astmNumber": "4.3.2",
27      "componentType": "Owner provided $ allowance (specify)",
28      "currentAge": 0,
29      "standardEu1": 5,
30      "assessedRu1": null,
31      "standardRu1": 5,
32      "ru1": 5,
33      "standardAssessedInd": "Standard",
34      "annualUtility": 0,
35      "cost": 75745.00000000,
36      "sustainAltIndicator": "N",
37      "groups": [
38        "CRITICAL_REPAIR"
39      ],
40      "hasDiffDecision": false
41    }
42  ]}
43

```

Add canEdit Boolean to Repair Needs Recommendations

Added `canEdit` to `RepairNeedsRecommendationsDto`

1. Endpoint: `/api/v1/assessments/{assessmentId}/repairNeedsRecommendations`

- **Description:** Returns the all repair need components with associated alternatives and repair needs recommendations created by user.
- **Request Method:** GET
- **Request Params:** No change
- **Response Body:** add json field `canEdit`

```

1 {
2   "canEdit": false,

```

```

3  "alternativesForCriticalRepairComponents": [
4  {
5      "component": {
6          "id": "1FFD5FA3-5134-451D-8498-23008BBF4FA7",
7          "name": "108-Division 26 - Electrical",
8          "componentType": "4.3.2",
9          "unitCost": 75745.000000,
10         "quantity": 1.00,
11         "energyUsage": 0,
12         "annualUtility": 0,
13         "calcAnnualTcoPerAllUnits": 15149.00,
14         "waterUsage": 0,
15         "ghgEmission": null,
16         "earlyReplacement": null
17     },
18     "alternatives": [
19         {
20             "id": "D24DF3D9-77B9-4896-BD28-5C91628D2B4D",
21             "name": "118997 - Division 26 - Electrical",
22             "componentType": "4.3.2",
23             "unitCost": 75745.000000,
24             "quantity": 1,
25             "energyUsage": 0,
26             "annualUtility": 0,
27             "calcAnnualTcoPerAllUnits": 15149.00,
28             "waterUsage": 0,
29             "ghgEmission": null,
30             "earlyReplacement": null
31         }
32     ]
33 }
34

```

Update Alternatives Comparison

Adding `ghgEmission` and `earlyReplacement` to `ComponentAlternativeComparisonDto`
enum values for `earlyReplacement` are

```

1  - MEET_ARUL_COMP //Component Assessed RUL / (Age + Assessed RUL) < 50%
2  - COMPLY_ALT // Early Replacement is recommended
3  - SELECTED_ALT // Best Early Replacement is recommended

```

1. Endpoint: `/assessments/{assessmentId}/components/{componentId}/alternatives-comparison`

- **Description:** Returns a detailed component alternatives comparison
- **Request Method:** GET
- **Request Params:** No
- **Response Body:**

```

1  {
2      "component": {
3          "id": "8031C3C1-8B44-4618-913C-57B40C226FB9",
4          "name": "11-Hot Water Storage Tank - 75 to 80 Gallon",
5          "componentType": "3.4.1.2.2",
6          "unitCost": 1411.200000,
7          "quantity": 13.00,
8          "energyUsage": 0,
9          "annualUtility": 5300.000000000,

```

```
10     "calcAnnualTcoPerAllUnits": 71520.80,  
11     "waterUsage": 100.0000,  
12     "ghgEmission": 5.00,  
13     "earlyReplacement": "MEET_ARUL_COMP"  
14 },  
15 "alternatives": [  
16     {  
17         "id": "78F80684-9B13-4844-9043-A07EEC070743",  
18         "name": "336553 - Hot Water Storage Tank - 75 to 80 Gallon",  
19         "componentType": "3.4.1.2.2",  
20         "unitCost": 1411.200000,  
21         "quantity": 13,  
22         "energyUsage": 0,  
23         "annualUtility": 0,  
24         "calcAnnualTcoPerAllUnits": 1223.04,  
25         "waterUsage": 0  
26         "ghgEmission": null,  
27         "earlyReplacement": "SELECTED_ALT"  
28     }  
29 ]  
30 }
```