

**Subject:** RE: Re: Request for clarification - Sprain and Stain [SEC=UNCLASSIFIED]  
**From:** "Vemury, Kiran" <Kiran.Vemury@dva.gov.au>  
**Date:** 10/9/2017 1:29 PM  
**To:** "'Nick Miller'" <nick.miller@govlawtech.com.au>  
**CC:** "Britton, Timothy" <Timothy.Britton@dva.gov.au>

Yes all good. Sorry for replying to your earlier email.

Regards,  
Kiran

---

**From:** Nick Miller [mailto:nick.miller@govlawtech.com.au]  
**Sent:** Sunday, 8 October 2017 9:29 PM  
**To:** Vemury, Kiran <Kiran.Vemury@dva.gov.au>; Britton, Timothy <Timothy.Britton@dva.gov.au>  
**Subject:** Fwd: Re: Request for clarification - Sprain and Stain [SEC=UNCLASSIFIED]

Chaps,

Did this test okay?

Cheers,

Nick

----- Forwarded Message -----

**Subject:** Re: Request for clarification - Sprain and Stain [SEC=UNCLASSIFIED]

**Date:** Fri, 29 Sep 2017 09:09:43 +1000

**From:** Nick Miller <[nick.miller@govlawtech.com.au](mailto:nick.miller@govlawtech.com.au)>

**To:** Vemury, Kiran <[Kiran.Vemury@dva.gov.au](mailto:Kiran.Vemury@dva.gov.au)>, Britton, Timothy <[Timothy.Britton@dva.gov.au](mailto:Timothy.Britton@dva.gov.au)>, Marineni, Madhu <[Madhu.Marineni@dva.gov.au](mailto:Madhu.Marineni@dva.gov.au)>

Kiran,

I have deployed this.

SoP API Version 1.8 Release Notes

=====

SPRAINS AND STRAINS CHANGES FROM VERSION 1.7

\* The field 'actualDaysOfOperationalServiceInTestPeriod' in the response now shows the number of days of full time operational service in the seven days before the start of the condition onset. This includes the day of onset, so it will be eight days if the vet has been on operational service continuously.

\* If there is any operational service in the seven days before onset, the RH standard applies, regardless of

what the vet was doing on the date of onset. What happened in the seven days after the date of onset is no longer relevant.

\* Changed reasoning text.

Nick

On 9/28/2017 5:58 PM, Vemury, Kiran wrote:

Thanks for the update Nick.

We will be waiting for the deployment J

Regards,  
Kiran

---

**From:** Nick Miller [<mailto:nick.miller@govlawtech.com.au>]  
**Sent:** Thursday, 28 September 2017 5:30 PM  
**To:** Britton, Timothy <[Timothy.Britton@dva.gov.au](mailto:Timothy.Britton@dva.gov.au)>; Vemury, Kiran <[Kiran.Vemury@dva.gov.au](mailto:Kiran.Vemury@dva.gov.au)>;  
Marineni, Madhu <[Madhu.Marineni@dva.gov.au](mailto:Madhu.Marineni@dva.gov.au)>  
**Subject:** Re: Request for clarification - Sprain and Stain [SEC=UNCLASSIFIED]

All, I have made the changes, but battery is about to die and I don't have a charger.

(Battery doesn't last long because it is a manly laptop with huge cores, not an all-day fashion item.)

Will deploy this eve or by 9am tomorrow morn!

On 9/28/2017 2:31 PM, Britton, Timothy wrote:

Hi Kiran

I have met with Nick this afternoon and he is making some adjustments to the code this afternoon and then it should be good for testing.

Cheers

Tim

---

**From:** Vemury, Kiran  
**Sent:** Thursday, 28 September 2017 9:31 AM  
**To:** 'nick.miller@govlawtech.com.au' <[nick.miller@govlawtech.com.au](mailto:nick.miller@govlawtech.com.au)>; Marineni, Madhu <[Madhu.Marineni@dva.gov.au](mailto:Madhu.Marineni@dva.gov.au)>  
**Cc:** Britton, Timothy <[Timothy.Britton@dva.gov.au](mailto:Timothy.Britton@dva.gov.au)>  
**Subject:** RE: Request for clarification - Sprain and Stain [SEC=UNCLASSIFIED]

Sure we will catch-up.

Regards,  
Kiran

**From:** Nick Miller [<mailto:nick.miller@govlawtech.com.au>]  
**Sent:** Thursday, 28 September 2017 8:41 AM  
**To:** Marineni, Madhu <[Madhu.Marineni@dva.gov.au](mailto:Madhu.Marineni@dva.gov.au)>  
**Cc:** Britton, Timothy <[Timothy.Britton@dva.gov.au](mailto:Timothy.Britton@dva.gov.au)>; Vemury, Kiran <[Kiran.Vemury@dva.gov.au](mailto:Kiran.Vemury@dva.gov.au)>  
**Subject:** RE: Request for clarification - Sprain and Stain [SEC=UNCLASSIFIED]

I will be in city today if you want to talk through it.

On 28 Sep. 2017 8:38 am, "Marineni, Madhu" <[Madhu.Marineni@dva.gov.au](mailto:Madhu.Marineni@dva.gov.au)> wrote:

Hi Tim,

Please advise...

Thanks,  
Madhu

**From:** Nick Miller [<mailto:nick.miller@govlawtech.com.au>]  
**Sent:** Wednesday, 27 September 2017 5:50 PM  
**To:** Marineni, Madhu <[Madhu.Marineni@dva.gov.au](mailto:Madhu.Marineni@dva.gov.au)>  
**Cc:** Vemury, Kiran <[Kiran.Vemury@dva.gov.au](mailto:Kiran.Vemury@dva.gov.au)>; Britton, Timothy <[Timothy.Britton@dva.gov.au](mailto:Timothy.Britton@dva.gov.au)>  
**Subject:** RE: Request for clarification - Sprain and Stain [SEC=UNCLASSIFIED]

Is it supposed to? Does it matter for acute injuries like sprain and strain?

On 27 Sep. 2017 4:09 pm, "Marineni, Madhu" <[Madhu.Marineni@dva.gov.au](mailto:Madhu.Marineni@dva.gov.au)> wrote:

Hi Nick,

Looks like the code does not look for operational service prior to 7 days from onset date. Please find the request and response messages below for details

**Request:**

```
{
  "condition": {
    "conditionName": "sprain and strain",
    "incidentType": "onset",
    "icdCodeVersion": null,
    "icdCodeValue": null,
    "onsetDates": {
      "onsetRangeStartDate": "2017-02-09",
      "onsetRangeEndDate": "2017-02-09"
    }
  },
}
```

```

        "aggravationDates": null
      },
      "serviceHistory": {
        "serviceSummaryInformation": {
          "originalHireDate": "2014-10-01"
        },
        "serviceDetails": [{
          "serviceType": "Regular/Permanent Force",
          "startDate": "2015-01-01",
          "endDate": "2017-02-10",
          "rank": "special forces",
          "operationalService": [{
            "assigned": "2015-06-11",
            "description": "Operation
OKRA",
            "event": "Within Specified
Area",
            "startDate": "2015-08-01",
            "endDate": "2015-08-07"
          },
          {
            "assigned": "2017-01-11",
            "description": "Operation
SLIPPER",
            "event": "Within Specified
Area",
            "startDate": "2017-02-05",
            "endDate": "2017-02-08"
          }
        ]
      },
      "service": "Royal Australian Navy"
    }
  ]
}

```

**Response:**

```

"recommendation": "Review operational service to check all factors, otherwise accept
as BoP factor met",
"caseTrace": {
  "standardOfProof": "Balance of Probabilities",
  "requiredDaysOfCfts": 1,
  "requiredDaysOfCftsForRh": 1,
  "requiredDaysOfCftsForBop": 1,
  "actualDaysOfCfts": 771,
  "requiredDaysOfOperationalServiceForRhStandard": 1,
  "actualDaysOfOperationalServiceInTestPeriod": 0,
  "rhFactors": [ {
    "paragraph": "6(a)",
    "text": "experiencing a significant physical force applied to or through

```

```
the\r\naffected joint, at the time of the clinical onset of a sprain to that joint\r\n\nligament",  
    "definedTerms": []  
  },  
}
```

**From:** Nick Miller [mailto:[nick.miller@govlawtech.com.au](mailto:nick.miller@govlawtech.com.au)]

**Sent:** Wednesday, 27 September 2017 3:56 PM

**To:** Britton, Timothy <[Timothy.Britton@dva.gov.au](mailto:Timothy.Britton@dva.gov.au)>

**Cc:** Travers, Mark <[Mark.Travers@dva.gov.au](mailto:Mark.Travers@dva.gov.au)>; Marineni, Madhu <[Madhu.Marineni@dva.gov.au](mailto:Madhu.Marineni@dva.gov.au)>; Vemury, Kiran <[Kiran.Vemury@dva.gov.au](mailto:Kiran.Vemury@dva.gov.au)>; Aledi, Sandeep <[Sandeep.Aledi@dva.gov.au](mailto:Sandeep.Aledi@dva.gov.au)>; Lee, KwangJe <[KwangJe.Lee@dva.gov.au](mailto:KwangJe.Lee@dva.gov.au)>; Carter, Michael <[Michael.Carter@dva.gov.au](mailto:Michael.Carter@dva.gov.au)>; Gangavarapu, Gopi <[Gopi.Gangavarapu@dva.gov.au](mailto:Gopi.Gangavarapu@dva.gov.au)>

**Subject:** RE: Request for clarification - Sprain and Stain [SEC=UNCLASSIFIED]

Tim,

See inline responses below:

On 27 Sep. 2017 2:54 pm, "Britton, Timothy" <[Timothy.Britton@dva.gov.au](mailto:Timothy.Britton@dva.gov.au)> wrote:

Hi Nick

I have been working with Madhu through the initial test here and just want to clarify two things:

1. seven days before \_start\_ of condition onset range <=> seven days after the \_end\_ of the condition onset range (or the current date Canberra time if that is earlier)
  - a. Does this mean a window looking back from the date of onset to count the number of Operational days and make sure it is greater than or equal to one within that window?

Yes.

2. Are you expecting the Actual number of RH days to return the count within the 7 day window or will it just display one i.e. 1 day met even though there were 7 days in the window?
  - a. I was expecting this one to show the RH days required = 1 and then the actual to display x whatever the number is returning 1-7. (currently this is just displaying 1 if met regardless how many days there are there.

I intended it to display 1 day because that info is related to the automated decision about whether RH or BoP applies, rather than the recommendation to the delegate about what they do with that automated decision. For acute injuries, for the automated decision step, we are only strictly only concerned with a period of one day - the day of onset. The 7 day window I saw as just relating to recommendation to the delegate - that is an indication whether they

should bother to see if it can be upgraded to RH or not. That's how I saw it anyway. Can be changed.

b. In the example of BOP even if there is RH service but not in the preceding 7 day window this would display a zero and then the number of BOP from enlistment to onset date/ separation date whichever comes first.

Depends on above?

c. In the BOP example with no RH I would expect the RH actual to display zero and the CFTS to display the number from enlistment date up to onset date/ separation date whichever comes first.

Depends on above?

Happy to discuss further if this is not clear?

Cheers

Tim

---

**From:** Vemury, Kiran

**Sent:** Wednesday, 27 September 2017 1:53 PM

**To:** 'Nick Miller' <[nick.miller@govlawtech.com.au](mailto:nick.miller@govlawtech.com.au)>; Britton, Timothy <[Timothy.Britton@dva.gov.au](mailto:Timothy.Britton@dva.gov.au)>

**Cc:** Travers, Mark <[Mark.Travers@dva.gov.au](mailto:Mark.Travers@dva.gov.au)>; Marineni, Madhu <[Madhu.Marineni@dva.gov.au](mailto:Madhu.Marineni@dva.gov.au)>; Aledi, Sandeep <[Sandeep.Aledi@dva.gov.au](mailto:Sandeep.Aledi@dva.gov.au)>; Gangavarapu, Gopi <[Gopi.Gangavarapu@dva.gov.au](mailto:Gopi.Gangavarapu@dva.gov.au)>; Carter, Michael <[Michael.Carter@dva.gov.au](mailto:Michael.Carter@dva.gov.au)>; Lee, KwangJe <[KwangJe.Lee@dva.gov.au](mailto:KwangJe.Lee@dva.gov.au)>

**Subject:** RE: Request for clarification - Sprain and Stain [SEC=UNCLASSIFIED]

Thanks Nick. I will go through your comments and get back to you if there are any questions.

Regards,  
Kiran

---

**From:** Nick Miller [<mailto:nick.miller@govlawtech.com.au>]

**Sent:** Wednesday, 27 September 2017 1:21 PM

**To:** Vemury, Kiran <[Kiran.Vemury@dva.gov.au](mailto:Kiran.Vemury@dva.gov.au)>; Britton, Timothy <[Timothy.Britton@dva.gov.au](mailto:Timothy.Britton@dva.gov.au)>

**Cc:** Travers, Mark <[Mark.Travers@dva.gov.au](mailto:Mark.Travers@dva.gov.au)>; Marineni, Madhu <[Madhu.Marineni@dva.gov.au](mailto:Madhu.Marineni@dva.gov.au)>; Aledi, Sandeep <[Sandeep.Aledi@dva.gov.au](mailto:Sandeep.Aledi@dva.gov.au)>; Gangavarapu, Gopi <[Gopi.Gangavarapu@dva.gov.au](mailto:Gopi.Gangavarapu@dva.gov.au)>; Carter, Michael <[Michael.Carter@dva.gov.au](mailto:Michael.Carter@dva.gov.au)>; Lee, KwangJe <[KwangJe.Lee@dva.gov.au](mailto:KwangJe.Lee@dva.gov.au)>

**Subject:** Re: Request for clarification - Sprain and Stain [SEC=UNCLASSIFIED]

Afternoon Kiran,

I've deployed this to Dev-Test.

## SoP API Version 1.7 Release Notes

=====

### STRAINS AND SPRAINS CHANGES

\* As described below:

- Where there is no operational service in seven calendar days inclusive either side of the condition onset, the recommendation is now to accept BoP rather than to review and consider 'upgrading' to RH.

- 'actualDaysOfOperationalServiceInTestPeriod' in the response shows 1 for RH and 0 for BoP.

\* Note:

- The seven day period is in code at the moment. We can move it to config later if we need to keep it private.

- If there is no CFTS at all on the onset date, the recommendation is still 'review all claim details' - does not matter if there was operational service immediately beforehand.

- Recall the condition onset has always been specified as a range in the request, not just a single date. This was to accommodate cases where the onset date couldn't be neatly pinned down. MyService and the test cases as far as I know always specify the start and end dates as the same. Understand this may change in the future though.

The window we check for operational service is:

seven days before `_start_` of condition onset range  $\leq$  seven days after the `_end_` of the condition onset range (or the current date Canberra time if that is earlier)

### OPEN THE GATES TO PRE-MRCA REQUESTS

\* Previously STP cases for pre-MRCA enlistees were rejected, now allowed (MC did this - talk to him if questions.)

### CLEANING UP

\* Removed unnecessary columns from the rule configuration spreadsheets, to simplify and avoid confusion.

If there are any problems or further changes required, I can take a look tomorrow morning.

Cheers,  
Nick

On 9/27/2017 9:38 AM, Vemury, Kiran wrote:

Thanks Tim.

Hi Nick, Please let us know when the changes are made in Dev -Test and ready for testing. In the meanwhile we will setup the test data.

Thanks,  
Kiran

---

**From:** Britton, Timothy  
**Sent:** Wednesday, 27 September 2017 9:14 AM  
**To:** '[nick.miller@govlawtech.com.au](mailto:nick.miller@govlawtech.com.au)'  
<[nick.miller@govlawtech.com.au](mailto:nick.miller@govlawtech.com.au)>  
**Cc:** Travers, Mark <[Mark.Travers@dva.gov.au](mailto:Mark.Travers@dva.gov.au)>; Marineni, Madhu <[Madhu.Marineni@dva.gov.au](mailto:Madhu.Marineni@dva.gov.au)>; Vemury, Kiran <[Kiran.Vemury@dva.gov.au](mailto:Kiran.Vemury@dva.gov.au)>; Aledi, Sandeep <[Sandeep.Aledi@dva.gov.au](mailto:Sandeep.Aledi@dva.gov.au)>; Gangavarapu, Gopi <[Gopi.Gangavarapu@dva.gov.au](mailto:Gopi.Gangavarapu@dva.gov.au)>; Carter, Michael <[Michael.Carter@dva.gov.au](mailto:Michael.Carter@dva.gov.au)>; Lee, Kwangle <[KwangJe.Lee@dva.gov.au](mailto:KwangJe.Lee@dva.gov.au)>  
**Subject:** RE: Request for clarification - Sprain and Stain [SEC=UNCLASSIFIED]

If we can keep it quite that would be best. It is just a mitigation against sending everything with RH service for a review not a hard and fast or scientific evidence based rule.

We just used the RMA definition of Trauma saying pain for 7 days as the basis at this stage.

Cheers

Tim

**From:** Nick Miller [[mailto:nick.miller@govlawtech.com.au](mailto:mailto:nick.miller@govlawtech.com.au)]  
**Sent:** Wednesday, 27 September 2017 9:12 AM  
**To:** Britton, Timothy <[Timothy.Britton@dva.gov.au](mailto:Timothy.Britton@dva.gov.au)>  
**Cc:** Travers, Mark <[Mark.Travers@dva.gov.au](mailto:Mark.Travers@dva.gov.au)>; Marineni, Madhu <[Madhu.Marineni@dva.gov.au](mailto:Madhu.Marineni@dva.gov.au)>; Vemury, Kiran <[Kiran.Vemury@dva.gov.au](mailto:Kiran.Vemury@dva.gov.au)>; Aledi, Sandeep <[Sandeep.Aledi@dva.gov.au](mailto:Sandeep.Aledi@dva.gov.au)>; Gangavarapu, Gopi <[Gopi.Gangavarapu@dva.gov.au](mailto:Gopi.Gangavarapu@dva.gov.au)>  
**Subject:** RE: Request for clarification - Sprain and Stain [SEC=UNCLASSIFIED]



Is it okay to have the 7 day period be public in the codebase?

On 27 Sep. 2017 08:49, "Britton, Timothy"

<[Timothy.Britton@dva.gov.au](mailto:Timothy.Britton@dva.gov.au)> wrote:

Hi Madhu

Yes. If I am following correctly this onset with at least one day of operational service within the 7 day window would return a recommendation to approve under RH and likewise with the BOP scenario you have outlined below.

Cheers

Tim

---

**From:** Marineni, Madhu

**Sent:** Tuesday, 26 September 2017 2:15 PM

**To:** Britton, Timothy <[Timothy.Britton@dva.gov.au](mailto:Timothy.Britton@dva.gov.au)>

**Cc:** Vemury, Kiran <[Kiran.Vemury@dva.gov.au](mailto:Kiran.Vemury@dva.gov.au)>; Aledi, Sandeep

<[Sandeep.Aledi@dva.gov.au](mailto:Sandeep.Aledi@dva.gov.au)>; Gangavarapu, Gopi

<[Gopi.Gangavarapu@dva.gov.au](mailto:Gopi.Gangavarapu@dva.gov.au)>; 'Nick Miller'

<[nick.miller@govlawtech.com.au](mailto:nick.miller@govlawtech.com.au)>; Travers, Mark

<[Mark.Travers@dva.gov.au](mailto:Mark.Travers@dva.gov.au)>

**Subject:** RE: Request for clarification - Sprain and Stain  
[SEC=UNCLASSIFIED]

Hi Tim,

Considering the 7 day window rule I am expecting the calculations for sprain and strain condition would work as shown in the examples below. Please let me know if I am wrong.

**REQUEST**

```
{
  "condition": {
    "conditionName": "sprain and strain",
    "incidentType": "onset",
    "icdCodeVersion": null,
    "icdCodeValue": null,
    "onsetDates": {
      "onsetRangeStartDate": "2017-02-12",
      "onsetRangeEndDate": "2017-02-12"
    },
    "aggravationDates": null
  },
  "serviceHistory": {
    "serviceSummaryInformation": {
      "originalHireDate": "2014-10-01"
    },
    "serviceDetails": [{
      "serviceType":
```

```
"Regular/Permanent Force",
    "startDate": "2015-01-01",
    "endDate": "2017-02-10",
    "rank": "special forces",
    "operationalService": [{
        "assigned":
            "2015-06-11",
            "description":
                "Operation OKRA",
                "event":
                    "Within Specified Area",
                    "startDate":
                        "2015-08-01",
                        "endDate":
                            "2015-08-07"
                    },
                    {
                        "assigned":
                            "2017-01-11",
                            "description":
                                "Operation SLIPPER",
                                "event":
                                    "Within Specified Area",
                                    "startDate":
                                        "2017-02-05",
                                        "endDate":
                                            "2017-02-05"
                                }
                    ],
                    "service": "Royal Australian
Navy"
    }
    ]
}
```

**RESPONSE:**

```
"recommendation": "Accept claim",
"caseTrace": {
    "standardOfProof": "Reasonable Hypothesis",
    "requiredDaysOfCfts": 1,
    "requiredDaysOfCftsForRh": 1,
    "requiredDaysOfCftsForBop": 1,
    "actualDaysOfCfts": 6,
    "requiredDaysOfOperationalServiceForRhStandard": 1,
    "actualDaysOfOperationalServiceInTestPeriod": 1,
    "rhFactors": [ {
        "paragraph": "6(a)",
        "text": "experiencing a significant physical force applied to or
through the\r\naffected joint, at the time of the clinical onset of a
```

```
sprain to that joint\r\nligament",
  "definedTerms": []
}},
  "bopFactors": [ {
    "paragraph": "6(a)",
    "text": "experiencing a significant physical force applied to or
through the\r\naffected joint, at the time of the clinical onset of a
sprain to that joint\r\nligament",
    "definedTerms": []
  }],
```

#### REQUEST

```
{
  "condition": {
    "conditionName": "sprain and strain",
    "incidentType": "onset",
    "icdCodeVersion": null,
    "icdCodeValue": null,
    "onsetDates": {
      "onsetRangeStartDate": "2017-02-12",
```

...

---

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Nick Miller  
[nick.miller@govlawtech.com.au](mailto:nick.miller@govlawtech.com.au)  
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<http://govlawtech.com.au>

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6. Finally, please do not remove this notice.