Below is the breakdown of how the enrollment logic identifies when an award is ready for Verification.

The location of this code as of July 23 2023 can be found here (https://github.com/department-of-veterans-affairs/vets-api/blob/master/modules/vye/app/models/concerns/vye/needs\_enrollment\_verification.rb)

**Case: End of Month**

* Current date is the last day of the month (LastDayOfMonth)
* Cert begin date is BEFORE the current date (BegainDate\_Before\_Now)
* Cert end date is ON or AFTER the current date (!EndDate\_Before\_Now)
  + **Case Trace: "CASE EOM"**

**Open Cert**

* Date last certified is BEFORE the last day of the previous month (DateLastCertified\_Before\_LastDateOfPreviousMonth)
* Current indicator is "C" (Current\_Award\_Indicator === 'C')
* Award does not have an End Date (Award\_EndDate === null)
  + **Set openCert to TRUE**

**Case 1A / 1B**

* Date last certified is BEFORE the last day of the previous month (DateLastCertified\_Before\_LastDateOfPreviousMonth)
* Current indicator is "C" (Current\_Award\_Indicator === 'C')
* Award End Date is NOT null (Award\_EndDate !== null)
* Award date DOES NOT equal date last certified (!areDatesTheSame(award.awardEndDate, award.dateLastCertified))
* The current indicator is "C" and award end date is BEFORE the current date (Current\_Rec\_Ended)

**Case 1A**:

* + Award End Date is AFTER the last day of the previous month (compareTwoDatesDate1GreaterThanDate2ReturnBoolean(award.awardEndDate, LastDayOfPreviousMonth))
  + Award Begin date and Award end date are the SAME (areDatesTheSame(award.awardBeginDate, award.awardEndDate))
    - **Set supressFutureAward to TRUE**
    - **Case Trace: "CASE 1a"**

**Case 1B**:

* + Award End Date is BEFORE or ON the last day of the previous month (!compareTwoDatesDate1GreaterThanDate2ReturnBoolean(award.awardEndDate, LastDayOfPreviousMonth))
  + Award Begin date and Award end date are NOT the same (!areDatesTheSame(award.awardBeginDate, award.awardEndDate))
    - **Case Trace: "CASE 1b"**

**Case 2**

* Date last certified is BEFORE the last day of the previous month (DateLastCertified\_Before\_LastDateOfPreviousMonth)
* Current indicator is "C" (Current\_Award\_Indicator === 'C')
* Award End Date is NOT null (Award\_EndDate !== null)
* Award date DOES NOT equal date last certified (!areDatesTheSame(award.awardEndDate, award.dateLastCertified))
* The last day of the previous month is BEFORE the Award End Date (LastDayOfPreviousMonth\_Before\_EndDate)
* The last day of the previous month is AFTER or ON the Award Begin Date (!LastDayOfPreviousMonth\_Before\_BeginDate)
  + **Case Trace: "CASE 2"**

**Case 3**

* Date last certified is BEFORE the last day of the previous month (DateLastCertified\_Before\_LastDateOfPreviousMonth)
* Current indicator is "C" (Current\_Award\_Indicator === 'C')
* Award End Date is NOT null (Award\_EndDate !== null)
* Award date DOES NOT equal date last certified (!areDatesTheSame(award.awardEndDate, award.dateLastCertified))
* The last day of the previous month is AFTER or ON the Award End Date (!LastDayOfPreviousMonth\_Before\_EndDate)
* The last day of the previous month is BEFORE the Award Begin Date (LastDayOfPreviousMonth\_Before\_BeginDate)
  + **Case Trace: "CASE 3"**

**Case 4**

* Date last certified is BEFORE the last day of the previous month (DateLastCertified\_Before\_LastDateOfPreviousMonth)
* Current indicator is "F" (Current\_Award\_Indicator === 'F')
* supressFutureAward is FALSE (!supressFutureAward)
* openCert is TRUE (openCert)
* Last day of the previous month is BEFORE the Award Begin Date (LastDayOfPreviousMonth\_Before\_BeginDate)
  + **Case Trace: "CASE 4"**
  + **Set openCert to FALSE**

**Case 5**

* Date last certified is BEFORE the last day of the previous month (DateLastCertified\_Before\_LastDateOfPreviousMonth)
* Current indicator is "F" (Current\_Award\_Indicator === 'F')
* supressFutureAward is FALSE (!supressFutureAward)
* openCert is TRUE (openCert)
* Combined conditions (AND and OR):
  + (Last day of the previous month is BEFORE the Award End Date && Last day of the previous month is AFTER or ON the Award Begin Date)
  + OR
  + Last day of the previous month is AFTER the Award End Date
    - **Case Trace: "CASE 5"**

**Case 6**

* Date last certified is BEFORE the last day of the previous month (DateLastCertified\_Before\_LastDateOfPreviousMonth)
* Current indicator is "F" (Current\_Award\_Indicator === 'F')
* supressFutureAward is FALSE (!supressFutureAward)
* openCert is FALSE (!openCert)
* The last day of the previous month is AFTER or ON the Award Begin Date (!LastDayOfPreviousMonth\_Before\_BeginDate)
* Date last certified is NULL (DateLastCertified === null)
  + **Case Trace: "CASE 6"**

**Case 7**

* Date last certified is BEFORE the last day of the previous month (DateLastCertified\_Before\_LastDateOfPreviousMonth)
* Current indicator is "F" (Current\_Award\_Indicator === 'F')
* supressFutureAward is FALSE (!supressFutureAward)
* openCert is FALSE (!openCert)
* The last day of the previous month is AFTER or ON the Award Begin Date (!LastDayOfPreviousMonth\_Before\_BeginDate)
* Date last certified is NOT NULL (DateLastCertified !== null)
* Last day of the previous month is BEFORE the Award End Date (LastDayOfPreviousMonth\_Before\_EndDate)
  + **Case Trace: "CASE 7"**

**Case 8**

* Date last certified is BEFORE the last day of the previous month (DateLastCertified\_Before\_LastDateOfPreviousMonth)
* Current indicator is "F" (Current\_Award\_Indicator === 'F')
* supressFutureAward is FALSE (!supressFutureAward)
* openCert is FALSE (!openCert)
* The last day of the previous month is AFTER or ON the Award Begin Date (!LastDayOfPreviousMonth\_Before\_BeginDate)
* Date last certified is NOT NULL (DateLastCertified !== null)
* Last day of the previous month is AFTER or ON the Award End Date (!LastDayOfPreviousMonth\_Before\_EndDate)
  + **Case Trace: "CASE 8"**

**Case 9**

* Date last certified is After or ON the last day of the previous month (!DateLastCertified\_Before\_LastDateOfPreviousMonth)
* Award End Date is BEFORE Today (EndDate\_Before\_Now)
  + **Case Trace: "CASE 9"**