This is my current query for ChatGPT

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select

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from ecrdba.cl\_status\_history

it contains a COLL\_STATUS\_TYPE\_ID, EFFECTIVE\_DATE, CREATED\_TIMESTAMP

EFFECTIVE\_DATE and CREATED\_TIMESTAMP are in this format 24-05-22, 24-05-22, and 24-05-17.

The same collision\_id could have multiple rows as long as it receives a new collision status update (i.e., change in COLL\_STATUS\_TYPE\_ID).

Below is the reference of annual reporting cutoff date.

|  |  |
| --- | --- |
| Collision\_Year | Cutoff\_End\_Date |
| 2024 | 2026-06-30 |
| 2023 | 2025-06-30 |
| 2022 | 2024-06-30 |
| 2021 | 2023-02-06 |
| 2020 | 2022-06-15 |
| 2019 | 2021-10-23 |
| 2018 | 2020-01-23 |
| 2017 | 2019-02-11 |
| 2016 | 2018-01-26 |
| 2015 | 2016-01-02 |
| 2014 | 2015-01-02 |
| 2013 | 2014-01-02 |
| 2012 | 2013-01-02 |
| 2011 | 2012-01-02 |
| 2010 | 2011-01-02 |
| 2009 | 2010-01-02 |
| 2008 | 2009-01-02 |
| 2007 | 2008-01-02 |
| 2006 | 2007-01-02 |
| 2005 | 2006-01-02 |
| 2004 | 2005-01-02 |

Modify the original sql query above, so that it does the followings:

1. Create a case\_year for each collision\_id by getting the earliest created\_timestamp
2. Once the case\_year is extracted for each collision\_id, the corresponding cutoff\_end\_date will be clear. For example if a case is created on 2013-01-03, its case\_year will be 2013, and its cutoff end date will be 2014-01-02. If a case is created on 2021-05-01, its case\_year will be 2021, and its cutoff end date will be 2023-02-06.
3. Recall that each collision\_id can have multiple rows depending on when new collision status is updated. This step involves compressing the row and find out what collision status (COLL\_STATUS\_TYPE\_ID) is for a collision\_id on the Cutoff\_End\_Date. The final COLL\_STATUS\_TYPE\_ID is the last COLL\_STATUS\_TYPE\_ID before the Cutoff\_End\_Date. I want to flag that if the final COLL\_STATUS\_TYPE\_ID is equal to 220, then make a final\_upload\_pending\_flag as “1”, otherwise as “0”.
4. The followings are examples of 3). Scenario A: Collision\_id 1234 is created 21-05-22, it was assigned COLL\_STATUS\_TYPE\_ID = 220 along with an Effective\_Date on 22-05-29. And it has no further change in COLL\_STATUS\_TYPE\_ID. Since its COLL\_STATUS\_TYPE\_ID is still 220 by its respective cutoff\_end\_date (2023-02-06), its COLL\_STATUS\_TYPE\_ID on cutoff\_end\_date is still 220, so its final\_upload\_pending\_flag is 1. Scenario B: This scenario is similar to A except it has an additional change which is COLL\_STATUS\_TYPE\_ID = 219 along with Effective\_Date on 22-12-28, subsequently, final\_upload\_pending\_flag is 0. Scenario C is similar to Scenario A, except it has update of COLL\_STATUS\_TYPE\_ID = 219 at effective\_date 23-05-29, since its COLL\_STATUS\_TYPE\_ID at its cut-off date still capture 220, it still has final\_upload\_pending\_flag as “1”