Pseudo Code for RVR Exercise

There are 4 RVR values to generate, the TDZ, MID, RO, and FE

Each of those should be between 1600 and 300

Another option is there could be ¼ mile visibility and no RVR values generated

And also as many as two of the RVR values could be missing.

There are also three lighting systems we need to be concerned with, HIRL, RCLL, RCLM

1. Generate random RVR values, somewhere between 1600 and 300
2. Then start checking things:
   1. If visibility === ¼ AND there is adequare visual reference – No RVR reports are required and we can depart.
3. Else if the TDZ RVR value is >1600 AND we have either HIRL OR RCLL OR RCLM, we can depart. If TDZ value is missing but we have a MID value it can be substituted for the TDZ and if it’s >1600, we can depart.
4. Else if TDZ is <1600 and >1200, MID is <1600 and > 1200 and RO is <1600 and >1000 AND it’s daytime AND we have HIRL OR RCLL OR RCLM AND at least two of the RVRs are reporting, except the FE, we can depart.
5. Else if TDZ is <1600 and >1200, MID is <1600 and > 1200 and RO is <1600 and >1000 AND it’s nighttime AND we have HIRL OR RCLL AND at least two of the RVRs are reporting, except the FE, we can depart.
6. Else if TDZ, MID, and RO are all >1000 and <1200 AND we have RCLL OR (HIRL AND RCLM) and at least two RVRs are reporting, except the FE, we can depart.
7. Else it TDZ, MID, and RO are all >600 and <1000 AND we have HIRL AND RCLL and at least two RVRs are reporting, except the FE, we can depart.
8. Otherwise, if none of these conditions are met – we can’t depart.