# QREBS-2

QREBS allows an evaluation of used objects based on their age.

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**NEW OBJECTS**

New objects determine QREBS values without adjustment.

For example, a new Communicator Q=5 Period= 5 (= Six Months) R= 0 is Reliability Neutral when New. After six months, it falls to Reliability= -1, after another six months, it falls to Reliability= -2.

**OLDER OBJECTS**

When a used or older object is acquired, determine its **True Age** and **Working Age.**

**True Age (also Chronological Age)** is the number of years since the object was created or manufactured. It is determined from the True Age Table.

**Working Age** is the number of years the object has been in use. Since use wears an object out, Working Age is the important value in determining Quality and Reliability.

**WORKING AGE**

Working Age = Good Flux (in Periods)

**TRUE AGE**

| Flux | Current | Antique | Artifact | Surplus | Experi |
|---|---|---|---|---|---|
| - 5 | 50 | 400 | RR | 100 | 20 |
| - 4 | 35 | 300 | 1300 | 90 | 10 |
| - 3 | 25 | 250 | 1200 | 80 | 9 |
| - 2 | 21 | 210 | 1100 | 70 | 8 |
| - 1 | 18 | 180 | 1000 | 60 | 7 |
| 0 | 15 | 150 | 900 | 50 | 6 |
| +1 | 12 | 120 | 800 | 40 | 5 |
| +2 | 9 | 100 | 700 | 30 | 4 |
| +3 | 6 | 80 | 600 | 20 | 3 |
| +4 | 3 | 60 | 500 | 10 | 2 |
| +5 | new | 50 | 400 | new | 1 |

Values are in Years before the present date. Determine the current date and subtract the value on this table.

RR= Reroll and add 1000.

**True Age.** This table provides the true age of the object.

**Storage.** The Object has been in Storage (was not used, did not degrade in Quality) for the period between Working Age and True Age. A Communicator with True Age = 100 Years and Working Age = 1 year has been in Storage for 99 years: it is Like New.

**AGING THE OBJECT**

Create QREBS. Determine its Working Age (= Good Flux in Periods). Reduce Reliability by Working Age in Periods. .

For example, Eneri Dinsha has acquired a Jump Drive Diagnosticator QREBS= 5 0 0 0 0. Period= 5 = 6 Months. Working Age = Good Flux times Period = +2 x 6 months = 1 Year. True Age (from Table) = Flux = -3 = 25 Years.

This device was manufactured 25 years ago, but has only been used for a year. Reduce Reliability Minus Working Age in Periods (=-2), downgrading Reliability to -2.

This Jump Drive Diagnosticator QREBS = 5 -2 0 0 0 is unremarkable except it has a -2 Reliability Mod.

**CALCULATING QREBS**

| **Q** | **R** | **E** | **B** | **S** | **\|** | **Wa** | **P** |
|---|---|---|---|---|---|---|---|
| Quality | Reliability | Ease Of Use | Bulk /Burden | Safety | **\|** | Working Age | Period |
| QUA **2D-2** | REL **Flux** | EOU **Flux** | BUR **Flux** | SAF **Flux** | | **Good Flux** | **=Quality** |
| | | | | | **\|** | | |

Adjust R= - Wa/P

1. Quality = 2D-2. Usually ranges from 10 Excellent to 0 Very Bad.
2. Reliability = Flux. Provides the value for a New object. Ranges from +5 Very Reliable to - 5 Very Unreliable.
3. Ease Of Use = Flux. Ranges from +5 Very easy to use to -5 Very difficult to use.
4. Bulk/Burden = Flux. Ranges from +5 very burdensome to -5. Very easy to carry
5. Safety = Flux. Ranges from +5 Very safe to -5 very hazardous.
6. Period = Quality. Determine the units of time from the Quality Table.
7. Working Age= Good Flux (in Periods).
8. True Age = from Table.
9. Adjust Reliability (= minus subtract Working Age divided by Period; drop fractions).