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| ITU logo | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2017-2020 | | SCV-TD109 | | |
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| **Original: English** | | |
|  | |  | Virtual, 3 June 2020 | | |
| **TD** | | | | | |
| **Source:** | | **ITU-R Study Group 6** | | | |
| **Title:** | | Proposal to add a broadcasting term to the ITU Terminology Database | | | |
| **Purpose:** | |  | | | |
| Source: Document [6/395](https://www.itu.int/md/R15-SG06-C-0395/en)  Subject: Definition of QEF | | | |  |
| **1 August 2019** |
| **English only**  **Original: English** |
| LIAISON STATEMENT TO COORDINATION COMMITTEE FOR VOCABULARY (CCV) AND STANDARDIZATION COMMITTEE FOR VOCABULARY (SCV) | | | | |
| Proposal to add a broadcasting term to the ITU Terminology Database | | | | |

ITU-R Study Group 6 at its meeting on 26 July 2019 agreed to seek approval of the CCV/SCV for inclusion of the following broadcasting term to the ITU Terminology Database.

| Term | Definition | Source |
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| Quasi Error Free | A Quasi Error Free (QEF) condition of a digital television broadcasting signal means less than one uncorrected error event per hour and a corresponding BER can be calculated for an assumed transmission bit rate. For example, for a DTTB transmission with a bit rate of about 28 Mbit/s, QEF corresponds to BER less than 10-11 after the whole error correction process.  Which in the case of:  – DVB-T, ATSC1.0 and ISDB-T, this corresponds to BER less than 2 × 10-4 after Viterbi decoder or BER less than 10-11 after Reed-Solomon decoder.  – DVB-T2, DTMB and DTMB-A, this corresponds to BER less than 10-7 before BCH decoder or BER less than 10-11 after BCH decoder. | Report ITU-R BT.2383-2  Report ITU-R BT.2469-0 |

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| **Status:** For action |  |
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