Table 8.1.2-1: Information Element Types

| IE Type value  (Decimal) | Information elements | Comment / Reference | Number of Fixed Octets |
| --- | --- | --- | --- |
| 0 | Reserved |  |  |
| 1 | Create PDR | Extendable / Table 7.5.2.2-1 | Not Applicable |
| 2 | PDI | Extendable / Table 7.5.2.2-2 | Not Applicable |
| 3 | Create FAR | Extendable / Table 7.5.2.3-1 | Not Applicable |
| 4 | Forwarding Parameters | Extendable / Table 7.5.2.3-2 | Not Applicable |
| 5 | Duplicating Parameters | Extendable / Table 7.5.2.3-3 | Not Applicable |
| 6 | Create URR | Extendable / Table 7.5.2.4-1 | Not Applicable |
| 7 | Create QER | Extendable / Table 7.5.2.5-1 | Not Applicable |
| 8 | Created PDR | Extendable / Table 7.5.3.2-1 | Not Applicable |
| 9 | Update PDR | Extendable / Table 7.5.4.2-1 | Not Applicable |
| 10 | Update FAR | Extendable / Table 7.5.4.3-1 | Not Applicable |
| 11 | Update Forwarding Parameters | Extendable / Table 7.5.4.3-2 | Not Applicable |
| 12 | Update BAR (PFCP Session Report Response) | Extendable / Table 7.5.9.2-1 | Not Applicable |
| 13 | Update URR | Extendable / Table 7.5.4.4 | Not Applicable |
| 14 | Update QER | Extendable / Table 7.5.4.5 | Not Applicable |
| 15 | Remove PDR | Extendable / Table 7.5.4.6 | Not Applicable |
| 16 | Remove FAR | Extendable / Table 7.5.4.7 | Not Applicable |
| 17 | Remove URR | Extendable / Table 7.5.4.8 | Not Applicable |
| 18 | Remove QER | Extendable / Table 7.5.4.9 | Not Applicable |
| 19 | Cause | Fixed / Subclause 8.2.1 | 1 |
| 20 | Source Interface | Extendable / Subclause 8.2.2 | 1 |
| 21 | F-TEID | Extendable / Subclause 8.2.3 | q-4 |
| 22 | Network Instance | Variable Length / Subclause 8.2.4 | Not Applicable |
| 23 | SDF Filter | Extendable / Subclause 8.2.5 | v+2-4 |
| 24 | Application ID | Variable Length / Subclause 8.2.6 | Not Applicable |
| 25 | Gate Status | Extendable / Subclause 8.2.7 | 1 |
| 26 | MBR | Extendable / Subclause 8.2.8 | 10 |
| 27 | GBR | Extendable / Subclause 8.2.9 | 10 |
| 28 | QER Correlation ID | Extendable / Subclause 8.2.10 | 4 |
| 29 | Precedence | Extendable / Subclause 8.2.11 | 4 |
| 30 | Transport Level Marking | Extendable / Subclause 8.2.12 | 2 |
| 31 | Volume Threshold | Extendable /Subclause 8.2.13 | q+7-4 |
| 32 | Time Threshold | Extendable /Subclause 8.2.14 | 4 |
| 33 | Monitoring Time | Extendable /Subclause 8.2.15 | 4 |
| 34 | Subsequent Volume Threshold | Extendable /Subclause 8.2.16 | q+7-4 |
| 35 | Subsequent Time Threshold | Extendable /Subclause 8.2.17 | 4 |
| 36 | Inactivity Detection Time | Extendable /Subclause 8.2.18 | 4 |
| 37 | Reporting Triggers | Extendable /Subclause 8.2.19 | 2 |
| 38 | Redirect Information | Extendable /Subclause 8.2.20 | 8+a-4 |
| 39 | Report Type | Extendable / Subclause 8.2.21 | 1 |
| 40 | Offending IE | Fixed / Subclause 8.2.22 | 2 |
| 41 | Forwarding Policy | Extendable / Subclause 8.2.23 | k-4 |
| 42 | Destination Interface | Extendable / Subclause 8.2.24 | 1 |
| 43 | UP Function Features | Extendable / Subclause 8.2.25 | 1 |
| 44 | Apply Action | Extendable / Subclause 8.2.26 | 1 |
| 45 | Downlink Data Service Information | Extendable / Subclause 8.2.27 | 1 |
| 46 | Downlink Data Notification Delay | Extendable / Subclause 8.2.28 | 1 |
| 47 | DL Buffering Duration | Extendable / Subclause 8.2.29 | 1 |
| 48 | DL Buffering Suggested Packet Count | Variable / Subclause 8.2.30 | Not Applicable |
| 49 | PFCPSMReq-Flags | Extendable / Subclause 8.2.31 | 1 |
| 50 | PFCPSRRsp-Flags | Extendable / Subclause 8.2.32 | 1 |
| 51 | Load Control Information | Extendable / Table 7.5.3.3-1 | Not Applicable |
| 52 | Sequence Number | Fixed Length / Subclause 8.2.33 | 4 |
| 53 | Metric | Fixed Length / Subclause 8.2.34 | 1 |
| 54 | Overload Control Information | Extendable / Table 7.5.3.4-1 | Not Applicable |
| 55 | Timer | Extendable / Subclause 8.2 35 | 1 |
| 56 | Packet Detection Rule ID | Extendable / Subclause 8.2 36 | 2 |
| 57 | F-SEID | Extendable / Subclause 8.2 37 | p+15-4 |
| 58 | Application ID's PFDs | Extendable / Table 7.4.3.1-2 | Not Applicable |
| 59 | PFD context | Extendable / Table 7.4.3.1-3 | Not Applicable |
| 60 | Node ID | Extendable / Subclause 8.2.38 | o-4 |
| 61 | PFD contents | Extendable / Subclause 8.2.39 | v-4 |
| 62 | Measurement Method | Extendable / Subclause 8.2.40 | 1 |
| 63 | Usage Report Trigger | Extendable / Subclause 8.2.41 | 1 |
| 64 | Measurement Period | Extendable / Subclause 8.2.42 | 4 |
| 65 | FQ-CSID | Extendable / Subclause 8.2.43 | (q+1)-4 |
| 66 | Volume Measurement | Extendable / Subclause 8.2.44 | q+7-4 |
| 67 | Duration Measurement | Extendable / Subclause 8.2.45 | 4 |
| 68 | Application Detection Information | Extendable / Table 7.5.8.3-2 | Not Applicable |
| 69 | Time of First Packet | Extendable / Subclause 8.2.46 | 4 |
| 70 | Time of Last Packet | Extendable / Subclause 8.2.47 | 4 |
| 71 | Quota Holding Time | Extendable / Subclause 8.2.48 | 4 |
| 72 | Dropped DL Traffic Threshold | Extendable / Subclause 8.2.49 | m+7-4 |
| 73 | Volume Quota | Extendable / Subclause 8.2.50 | q+7-4 |
| 74 | Time Quota | Extendable / Subclause 8.2.51 | 4 |
| 75 | Start Time | Extendable / Subclause 8.2.52 | 4 |
| 76 | End Time | Extendable / Subclause 8.2.53 | 4 |
| 77 | Query URR | Extendable / Table 7.5.4.10-1 | Not Applicable |
| 78 | Usage Report (PFCP Session Modification Response) | Extendable / Table 7.5.5.2-1 | Not Applicable |
| 79 | Usage Report (PFCP Session Deletion Response) | Extendable / Table 7.5.7.2-1 | Not Applicable |
| 80 | Usage Report (PFCP Session Report Request) | Extendable / Table 7.5.8.3-1 | Not Applicable |
| 81 | URR ID | Extendable / Subclause 8.2.54 | 4 |
| 82 | Linked URR ID | Extendable / Subclause 8.2.55 | 4 |
| 83 | Downlink Data Report | Extendable / Table 7.5.8.2-1 | Not Applicable |
| 84 | Outer Header Creation | Extendable / Subclause 8.2.56 | r+1-4 |
| 85 | Create BAR | Extendable / Table 7.5.2.6-1 | Not Applicable |
| 86 | Update BAR (Session Modification Request) | Extendable / Table 7.5.4.11-1 | Not Applicable |
| 87 | Remove BAR | Extendable / Table 7.5.4.12-1 | Not Applicable |
| 88 | BAR ID | Extendable / Subclause 8.2.57 | 1 |
| 89 | CP Function Features | Extendable / Subclause 8.2.58 | 1 |
| 90 | Usage Information | Extendable / Subclause 8.2.59 | 1 |
| 91 | Application Instance ID | Variable Length / Subclause 8.2.60 | Not Applicable |
| 92 | Flow Information | Extendable / Subclause 8.2.61 | m-4 |
| 93 | UE IP Address | Extendable / Subclause 8.2.62 | p+15-1 |
| 94 | Packet Rate | Extendable / Subclause 8.2.63 | p+2-4 |
| 95 | Outer Header Removal | Extendable / Subclause 8.2.64 | 1 |
| 96 | Recovery Time Stamp | Extendable / Subclause 8.2.65 | 4 |
| 97 | DL Flow Level Marking | Extendable / Subclause 8.2.66 | p+1-4 |
| 98 | Header Enrichment | Extendable / Subclause 8.2.67 | q-4 |
| 99 | Error Indication Report | Extendable / Table 7.5.8.4-1 | Not Applicable |
| 100 | Measurement Information | Extendable / Subclause 8.2.68 | 1 |
| 101 | Node Report Type | Extendable / Subclause 8.2.69 | 1 |
| 102 | User Plane Path Failure Report | Extendable / Table 7.4.5.1.2-1 | Not Applicable |
| 103 | Remote GTP-U Peer | Extendable / Subclause 8.2.70 | p+15-4 |
| 104 | UR-SEQN | Fixed Length / Subclause 8.2.71 | 4 |
| 105 | Update Duplicating Parameters | Extendable / Table 7.5.4.3-3 | Not Applicable |
| 106 | Activate Predefined Rules | Variable Length / Subclause 8.2.72 | Not Applicable |
| 107 | Deactivate Predefined Rules | Variable Length / Subclause 8.2.73 | Not Applicable |
| 108 | FAR ID | Extendable / Subclause 8.2.74 | 4 |
| 109 | QER ID | Extendable / Subclause 8.2.75 | 4 |
| 110 | OCI Flags | Extendable / Subclause 8.2.76 | 1 |
| 111 | PFCP Association Release Request | Extendable / Subclause 8.2.77 | 1 |
| 112 | Graceful Release Period | Extendable / Subclause 8.2.78 | 1 |
| 113 | PDN Type | Extendable / Subclause 8.2.79 | 1 |
| 114 | Failed Rule ID | Extendable / Subclause 8.2.80 | p-4 |
| 115 | Time Quota Mechanism | Extendable / Subclause 8.2.81 | 5 |
| 116 | User Plane IP Resource Information | Extendable / Subclause 8.2.82 | l+1-4 |
| 117 | User Plane Inactivity Timer | Extendable /Subclause 8.2.83 | 4 |
| 118 | Aggregated URRs | Extendable / Table 7.5.2.4-2 | Not Applicable |
| 119 | Multiplier | Fixed / Subclause 8.2.84 | 12 |
| 120 | Aggregated URR ID | Fixed / Subclause 8.2.85 | 4 |
| 121 | Subsequent Volume Quota | Extendable / Subclause 8.2.86 | q+7-4 |
| 122 | Subsequent Time Quota | Extendable / Subclause 8.2.87 | 4 |
| 123 | RQI | Extendable / Subclause 8.2.88 | 1 |
| 124 | QFI | Extendable / Subclause 8.2.89 | m-4 |
| 125 | Query URR Reference | Extendable / Subclause 8.2.90 | 4 |
| 126 | Additional Usage Reports Information | Extendable / Subclause 8.2.91 | 2 |
| 127 | Create Traffic Endpoint | Extendable / Table 7.5.2.7 | Not Applicable |
| 128 | Created Traffic Endpoint | Extendable / Table 7.5.3.5 | Not Applicable |
| 129 | Update Traffic Endpoint | Extendable / Table 7.5.4.13 | Not Applicable |
| 130 | Remove Traffic Endpoint | Extendable / Table 7.5.4.14 | Not Applicable |
| 131 | Traffic Endpoint ID | Extendable / Subclause 8.2.92 | 1 |
| 132 | Ethernet Packet Filter | Extendable / Table 7.5.2.2-3 | Not Applicable |
| 133 | MAC address | Extendable / Subclause 8.2.93 | s-1-4 |
| 134 | C-TAG | Extendable / Subclause 8.2.94 | 3 |
| 135 | S-TAG | Extendable / Subclause 8.2.95 | 3 |
| 136 | Ethertype | Extendable / Subclause 8.2.96 | 2 |
| 137 | Proxying | Extendable / Subclause 8.2.97 | 1 |
| 138 | Ethernet Filter ID | Extendable / Subclause 8.2.98 | 4 |
| 139 | Ethernet Filter Properties | Extendable / Subclause 8.2.99 | 1 |
| 140 | Suggested Buffering Packets Count | Extendable / Subclause 8.2.100 |  |
| 141 | User ID | Extendable / Subclause 8.2.101 | h-1-4 |
| 142 | Ethernet PDU Session Information | Extendable / Subclause 8.2.102 | 1 |
| 143 | Ethernet Traffic Information | Extendable / Table 7.5.8.3-3 | Not Applicable |
| 144 | MAC Addresses Detected | Extendable / Subclause 8.2.103 | 7 |
| 145 | MAC Addresses Removed | Extendable / Subclause 8.2.104 | 7 |
| 146 | Ethernet Inactivity Timer | Extendable / Subclause 8.2.105 | 4 |
| 147 | Additional Monitoring Time | Extendable / Table 7.5.2.4-3 | Not Applicable |
| 148 | Event Information | Extendable / Table 7.5.2.4-4 | Not Applicable |
| 149 | Event Reporting | Extendable / Table 7.5.8.3-2A | Not Applicable |
| 150 | Event ID | Extendable / Subclause 8.2.106 | 4 |
| 151 | Event Threshold | Extendable / Subclause 8.2.107 | 4 |
| 152 | Trace Information | Extendable / Subclause 8.2.108 | q-4 |
| 153 | Framed-Route | Variable Length / Subclause 8.2.109 | Not Applicable |
| 154 | Framed-Routing | Fixed Length / Subclause 8.2.110 | 4 |
| 155 | Framed-IPv6-Route | Variable Length / Subclause 8.2.111 | Not Applicable |
| 156 to 65535 | Spare. For future use. |  |  |