Table Dump Entries are used to store BGP RIB information in a format independent of the BGP implementation that generated the information.

Routes are not kept in tables in a dynamically BGP decision process sense but are simply stored in a table as a result of a BGP decision process. The Table Dump Entries are intended to store RIB information from a BGP speaker in a format that is independent of the BGP implementation that generated the RIB information. Specifically, the Table Dump Entries do not store the Loc-RIB information of a BGP speaker, but rather store the information that the BGP speaker has stored in its Adj-RIB-In. This allows for the storage of the information that a BGP speaker has received from its peers, including routes which are not selected as the best path for inclusion in the Loc-RIB, and routes which are not installed in the forwarding table because they are not valid or have a next-hop which is not reachable.

This section describes the MRT message definitions for TABLE DUMP Entries.

The TABLE DUMP message provides a convenient way to dump a table's contents in a format independent of the BGP implementation that generated the RIB information.

```
/* Table Dump Message for Collecting the BGP Transport File in a
   Standard Format */

/* The TABLE DUMP MESSAGE MUST contain the Transport Protocol
   Address Family, the View Number, the Sequence Number, the Peer
   Entry Header, and the Peer Entry Attributes. The Peer Entry
   Header MUST contain the Peer IP address and the Peer AS. The
   Peer Entry Attributes MUST contain the Origin, AS Path, and
   Next-Hop attributes.

Note: If a TABLE DUMP message is sent in the AS4 subtype, the AS
   Path attribute MUST be encoded with 4-byte AS numbers.

   enum TABLE_DUMP {
      TABLE_DUMP = 12 /* DEPRECATED */
      TABLE_DUMP_V2 = 13 /* DEPRECATED */

      MAX_TABLE_DUMP_SUBTYPE_DEPRC,

      AFI_IPv4 = 1,
      AFI_IPv6 = 2,

      MAX_TABLE_DUMP_SUBTYPE_AFI,

   /* The TABLE DUMP MESSAGE MUST contain the View Number,
      Sequence Number, Peer IP address, Peer AS, Status,
      Originated Time, Peer Entry Attributes, and Prefix
      Length fields.

      enum TABLE_DUMP_SUBTYPE {
         AFI_IPv4_UNICAST = 1,
         AFI_IPv4_MULTICAST = 2,
         AFI_IPv6_UNICAST = 3,
         AFI_IPv6_MULTICAST = 4,

         MAX_TABLE_DUMP_SUBTYPE_AFI_SAFI,

   /* The TABLE DUMP MESSAGE MUST contain the Prefix, Prefix
      Length, Status, Originated Time, Peer Entry Attributes,
      and Peer Entry Header fields.

      enum TABLE_DUMP_SUBTYPE {
         AFI_IPv4_UNICAST_ADDPATH = 5,
         AFI_IPv4_MULTICAST_ADDPATH = 6,
         AFI_IPv6_UNICAST_ADDPATH = 7,
         AFI_IPv6_MULTICAST_ADDPATH = 8,

         MAX_TABLE_DUMP_SUBTYPE_AFI_SAFI_ADDPATH,

   /* The TABLE DUMP MESSAGE MUST contain the View Number,
      Sequence Number, Peer IP address, Peer AS, Status,
      Originated Time, Peer Entry Attributes, Prefix Length,
      and Path Identifier fields.

      enum TABLE_DUMP_SUBTYPE {
         MAX_TABLE_DUMP_SUBTYPE = 9,

      struct TABLE_DUMP {
         uint16 View Number;
         uint16 Sequence Number;
         prefix Prefix;
         uint8 Prefix Length;
         uint8 Status;
         uint32 Originated Time;
         peer_ip Peer IP address;
         uint32 Peer AS;
         uint16 Length of Peer Entry Attributes;
         bytestream<Length of Peer Entry Attributes> Peer Entry
            Attributes;

   /* The TABLE DUMP MESSAGE MUST contain the Transport Protocol
      Address Family, the View Number, the Sequence Number, the
      Peer Entry Header, and the Peer Entry Attributes. The Peer
      Entry Header MUST contain the Peer IP address and the Peer
      AS. The Peer Entry Attributes MUST contain the Origin, AS
      Path, and Next-Hop attributes.

      Note: If a TABLE DUMP message is sent in the AS4 subtype,
         the AS Path attribute MUST be encoded with 4-byte AS
         numbers.

      enum TABLE_DUMP {
         TABLE_DUMP_V2 = 13 /* DEPRECATED */

         MAX_TABLE_DUMP_SUBTYPE_DEPRC,

         AFI_IPv4 = 1,
         AFI_IPv6 = 2,

         MAX_TABLE_DUMP_SUBTYPE_AFI,

      /* The TABLE DUMP MESSAGE MUST contain the View Number,
         Sequence Number, Peer IP address, Peer AS, Status,
         Originated Time, Peer Entry Attributes, and Prefix
         Length fields.

         enum TABLE_DUMP_SUBTYPE {
            AFI_IPv4_UNICAST = 1,
            AFI_IPv4_MULTICAST = 2,
            AFI_IPv6_UNICAST = 3,
            AFI_IPv6_MULTICAST = 4,

            MAX_TABLE_DUMP_SUBTYPE_AFI_SAFI,

      /* The TABLE DUMP MESSAGE MUST contain the Prefix, Prefix
         Length, Status, Originated Time, Peer Entry Attributes,
         and Peer Entry Header fields.

         enum TABLE_DUMP_SUBTYPE {
            AFI_IPv4_UNICAST_ADDPATH = 5,
            AFI_IPv4_MULTICAST_ADDPATH = 6,
            AFI_IPv6_UNICAST_ADDPATH = 7,
            AFI_IPv6_MULTICAST_ADDPATH = 8,

            MAX_TABLE_DUMP_SUBTYPE_AFI_SAFI_ADDPATH,

      /* The TABLE DUMP MESSAGE MUST contain the View Number,
         Sequence Number, Peer IP address, Peer AS, Status,
         Originated Time, Peer Entry Attributes, Prefix Length,
         and Path Identifier fields.

         enum TABLE_DUMP_SUBTYPE {
            MAX_TABLE_DUMP_SUBTYPE = 9,

         struct TABLE_DUMP {
            uint16 View Number;
            uint16 Sequence Number;
            prefix Prefix;
            uint8 Prefix Length;
            uint8 Status;
            uint32 Originated Time;
            peer_ip Peer IP address;
            uint32 Peer AS;
            uint16 Length of Peer Entry Attributes;
            bytestream<Length of Peer Entry Attributes> Peer Entry
               Attributes;
```

The TABLE DUMP provides a convenient way to dump a table's contents in a format independent of the BGP implementation that generated the information.

Note: If a TABLE DUMP message is sent in the AS4 subtype, the AS Path attribute MUST be encoded with 4-byte AS numbers.

The TABLE DUMP MESSAGE MUST contain the View Number, the Sequence Number, the Peer IP address, Peer AS, Status, Originated Time, Peer Entry Attributes, and Prefix Length fields.

The TABLE DUMP MESSAGE MUST contain the Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes, and Peer Entry Header fields.

The TABLE DUMP MESSAGE MUST contain the View Number, the Sequence Number, the Peer IP address, Peer AS, Status, Originated Time, Peer Entry Attributes, Prefix Length, and Path Identifier fields.

```
   MAX_TABLE_DUMP_SUBTYPE = 9,

   struct TABLE_DUMP {
      uint16 View Number;
      uint16 Sequence Number;
      prefix Prefix;
      uint8 Prefix Length;
      uint8 Status;
      uint32 Originated Time;
      peer_ip Peer IP address;
      uint32 Peer AS;
      uint16 Length of Peer Entry Attributes;
      bytestream<Length of Peer Entry Attributes> Peer Entry
         Attributes;
```

Table 1 Table Dump Entry Subtypes

Subtype	Value
AFI_IPv4	1
AFI_IPv6	2
AFI_IPv4_UNICAST	1
AFI_IPv4_MULTICAST	2
AFI_IPv6_UNICAST	3
AFI_IPv6_MULTICAST	4
AFI_IPv4_UNICAST_ADDPATH	5
AFI_IPv4_MULTICAST_ADDPATH	6
AFI_IPv6_UNICAST_ADDPATH	7
AFI_IPv6_MULTICAST_ADDPATH	8
MAX_TABLE_DUMP_SUBTYPE	9

Table 2 Table Dump Message Formats

Type	Subtype	Message Format
TABLE_DUMP	AFI_IPv4	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer IP address, Peer AS, Length of Peer Entry Attributes, Peer Entry Attributes
TABLE_DUMP	AFI_IPv6	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer IP address, Peer AS, Length of Peer Entry Attributes, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv4_UNICAST	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv4_MULTICAST	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv6_UNICAST	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv6_MULTICAST	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv4_UNICAST_ADDPATH	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv4_MULTICAST_ADDPATH	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv6_UNICAST_ADDPATH	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv6_MULTICAST_ADDPATH	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	MAX_TABLE_DUMP_SUBTYPE	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes

Table 3 Table Dump Message Formats

Type	Subtype	Message Format
TABLE_DUMP	AFI_IPv4	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer IP address, Peer AS, Length of Peer Entry Attributes, Peer Entry Attributes
TABLE_DUMP	AFI_IPv6	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer IP address, Peer AS, Length of Peer Entry Attributes, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv4_UNICAST	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv4_MULTICAST	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv6_UNICAST	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv6_MULTICAST	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv4_UNICAST_ADDPATH	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv4_MULTICAST_ADDPATH	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv6_UNICAST_ADDPATH	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	AFI_IPv6_MULTICAST_ADDPATH	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes
TABLE_DUMP_V2	MAX_TABLE_DUMP_SUBTYPE	View Number, Sequence Number, Prefix, Prefix Length, Status, Originated Time, Peer Entry Attributes

4. BGP Extensions

This section describes the BGP, IGMP, ISMPP, and PIM Protocols for use in the MRT Routing Information Extension. The Protocol Extensions for use in the MRT Routing Information Extension are:

Table 4 BGP Extensions

Name	Value
BGP	5
BGP_ADDPATH	10
BGP_MP	16
BGP_MP_ADDPATH	17
BGP_4	4
BGP_4_ADDPATH	9
BGP_4_MP	18
BGP_4_MP_ADDPATH	19
BGP_STATE_CHANGE	0
BGP_STATE_CHANGE_AS4	1
BGP_MESSAGE	1
BGP_MESSAGE_AS4	4
BGP_MESSAGE_ADDPATH	8
BGP_MESSAGE_AS4_ADDPATH	11
BGP_MESSAGE_BGP4MP	2
BGP_MESSAGE_BGP4MP_AS4	7
BGP_MESSAGE_BGP4MP_ADDPATH	12
BGP_MESSAGE_BGP4MP_AS4_ADDPATH	13
BGP_ENTRY	6
BGP_ENTRY_ADDPATH	10
BGP_SNAPSHOT	7
BGP_SNAPSHOT_ADDPATH	11
BGP_MP_ADDPATH	17
BGP_4_ADDPATH	9
BGP_4_MP_ADDPATH	19
BGP_STATE_CHANGE	0
BGP_STATE_CHANGE_AS4	1
BGP_MESSAGE	1
BGP_MESSAGE_AS4	4
BGP_MESSAGE_ADDPATH	8
BGP_MESSAGE_AS4_ADDPATH	11
BGP_MESSAGE_BGP4MP	2
BGP_MESSAGE_BGP4MP_AS4	7
BGP_MESSAGE_BGP4MP_ADDPATH	12
BGP_MESSAGE_BGP4MP_AS4_ADDPATH	13
BGP_ENTRY	6
BGP_ENTRY_ADDPATH	10
BGP_SNAPSHOT	7
BGP_SNAPSHOT_ADDPATH	11
BGP_MP_ADDPATH	17
BGP_4_ADDPATH	9
BGP_4_MP_ADDPATH	19
BGP_STATE_CHANGE	0
BGP_STATE_CHANGE_AS4	1
BGP_MESSAGE	1
BGP_MESSAGE_AS4	4
BGP_MESSAGE_ADDPATH	8
BGP_MESSAGE_AS4_ADDPATH	11
BGP_MESSAGE_BGP4MP	2
BGP_MESSAGE_BGP4MP_AS4	7
BGP_MESSAGE_BGP4MP_ADDPATH	12
BGP_MESSAGE_BGP4MP_AS4_ADDPATH	13
BGP_ENTRY	6
BGP_ENTRY_ADDPATH	10
BGP_SNAPSHOT	7
BGP_SNAPSHOT_ADDPATH	11

Table 5 IGMP Extensions

Name	Value
IGMP	1
IGMP_STATE_CHANGE	0
IGMP_PROTOCOL	1

Table 6 ISMPP Extensions

Name	Value
ISMPP	2
ISMPP_STATE_CHANGE	0
ISMPP_PROTOCOL	1

Table 7 PIM Extensions

Name	Value
PIM	3
PIM_STATE_CHANGE	0
PIM_PROTOCOL	1

5. IANA Allocations

This document requests that IANA, IGMP, ISMPP, and PIM Protocols for use in the MRT Routing Information Extension be assigned the following values:

Table 8 BGP Extensions

Name	Value
BGP	5
BGP_ADDPATH	10
BGP_MP	16
BGP_MP_ADDPATH	17
BGP_4	4
BGP_4_ADDPATH	9
BGP_4_MP	18
BGP_4_MP_ADDPATH	19
BGP_STATE_CHANGE	0
BGP_STATE_CHANGE_AS4	1
BGP_MESSAGE	1
BGP_MESSAGE_AS4	4
BGP_MESSAGE_ADDPATH	8
BGP_MESSAGE_AS4_ADDPATH	11
BGP_MESSAGE_BGP4MP	2
BGP_MESSAGE_BGP4MP_AS4	7
BGP_MESSAGE_BGP4MP_ADDPATH	12
BGP_MESSAGE_BGP4MP_AS4_ADDPATH	13
BGP_ENTRY	6
BGP_ENTRY_ADDPATH	10
BGP_SNAPSHOT	7
BGP_SNAPSHOT_ADDPATH	11
BGP_MP_ADDPATH	17
BGP_4_ADDPATH	9
BGP_4_MP_ADDPATH	19
BGP_STATE_CHANGE	0
BGP_STATE_CHANGE_AS4	1
BGP_MESSAGE	1
BGP_MESSAGE_AS4	4
BGP_MESSAGE_ADDPATH	8
BGP_MESSAGE_AS4_ADDPATH	11
BGP_MESSAGE_BGP4MP	2
BGP_MESSAGE_BGP4MP_AS4	7
BGP_MESSAGE_BGP4MP_ADDPATH	12
BGP_MESSAGE_BGP4MP_AS4_ADDPATH	13
BGP_ENTRY	6
BGP_ENTRY_ADDPATH	10
BGP_SNAPSHOT	7
BGP_SNAPSHOT_ADDPATH	11

Table 9 IGMP Extensions

Name	Value
IGMP	1
IGMP_STATE_CHANGE	0
IGMP_PROTOCOL	1

Table 10 ISMPP Extensions

Name	Value
ISMPP	2
ISMPP_STATE_CHANGE	0
ISMPP_PROTOCOL	1

Table 11 PIM Extensions

Name	Value
PIM	3
PIM_STATE_CHANGE	0
PIM_PROTOCOL	1

6. Security Considerations

This document does not introduce any new security issues into the MRT Routing Information Extension. Security issues are discussed in the MRT Base Protocol [RFC 6396].

7. Acknowledgments

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```
 -1 = "-1 INAPPLICABLE'
  1 = "1 GE MINIMUM WAGE'
  2 = "2 LT MINIMUM WAGE'
 )
VALUE BNLIGUSE
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 HASN'T WORKED LONG ENOUGH'
  2 = "2 DOESN'T WORK ENOUGH HOURS'
  3 = "3 ON CALL'
  4 = "4 MEDICAL PROBLEM'
 91 = "91 SOME OTHER REASON'
 )
VALUE BONTAKE1
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 YES'
  2 = "2 NO'
 )
VALUE BUMEMPS
 -10 = "-10 # OF EMP >= 11000'
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  0 = "0'
  1 = "1 - 9'
 10 = "10 - 25'
 26 = "26 - 49'
 50 = "50 - 100'
101 = "101 - 500'
501 = "501 - 10,000'
 )
VALUE BUNFMEND
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  0 = "0'
  1 = "1 - 6 '
 )
VALUE OCCCODEX
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 MANAGERIAL, BUSINESS, AND FINANCIAL OPER'
  2 = "2 PROFESSIONAL AND RELATED OCCUPATIONS'
  3 = "3 SERVICE'
  4 = "4 SALES AND RELATED OCCUPATIONS'
  5 = "5 OFFICE AND ADMINISTRATIVE SUPPORT'
  6 = "6 FARMING, FISHING, AND FORESTRY'
  7 = "7 CONSTRUCTION, EXTRACTION, AND MAINTENANC'
  8 = "8 PRODUCTION, TRANSPORTATION, AND MATERIAL'
  9 = "9 MILITARY SPECIFIC OCCUPATIONS'
 10 = "10 NO WORK EXPERIENCE SINCE 1995'
 11 = "11 UNCLASSIFIABLE OCCUPATION'
 )
VALUE OFFRING
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 YES'
  2 = "2 NO'
 )
VALUE OPTTAKE1
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 YES'
  2 = "2 NO'
 )
VALUE OTHRTYPE
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 DOES NOT WORK OVERTIME'
  2 = "2 TIME AND A HALF'
  3 = "3 TIME AND A HALF'
  4 = "4 COMP TIME'
  5 = "5 EXACT AMOUNT'
 91 = "91 OTHER'
 )
VALUE OTHRWAGE
 -10 = "-10 HOURLY WAGE >= $72.12'
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  0 = "0'
  1 = $3.99 = '$1.00 - $43.99'
 )
VALUE OVRTIMER
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  0 = "0'
  1 = $0.02 = '$0.02 - $250.00'
 )
VALUE PANEL
 10 = "10'
 11 = "11'
 )
VALUE PAYDAYST
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 YES'
  2 = "2 NO'
 )
VALUE PAYXACTN
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 YES'
  2 = "2 NO'
 )
VALUE PERUNIT
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 PER HOUR'
  2 = "2 PER DAY'
  3 = "3 PER WEEK'
  4 = "4 PER TWO WKS'
  5 = "5 PER MONTH'
  6 = "6 PER YEAR'
 91 = "91 OTHER'
 )
VALUE PID
 10 = 138 = '010 - 138'
 )
VALUE PROPRIET
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 YES'
  2 = "2 NO'
 )
VALUE PROVOTES
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 EMPLOYER'
  2 = "2 UNION'
  3 = "3 BOTH'
 )
VALUE RECALL
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 YES'
  2 = "2 NO'
 )
VALUE RETIRJOB
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 YES'
  2 = "2 NO'
 )
VALUE RETIRPLB
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 YES'
  2 = "2 NO'
 )
VALUE RK
  1 = "1'
  2 = "2'
  3 = "3'
  4 = "4'
  5 = "5'
 )
VALUE SALARIED
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 SALARIED'
  2 = "2 PAID BY HOUR'
  3 = "3 OTHER'
 )
VALUE SALRYWKS
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  0 = "0'
  1 = 52 = '1 - 52 WKS'
 )
VALUE SEEKLJOB
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 YEAR ROUND'
  2 = "2 NOT YEAR ROUND'
 )
VALUE SICKPAY
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 YES'
  2 = "2 NO'
 )
VALUE STILLAT
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 YES'
  2 = "2 NO'
 )
VALUE STILLWRK
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 YES'
  2 = "2 NO'
 )
VALUE SUBTYPE
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 CUR MAIN JOB IN REF PO'
  2 = "2 CUR MISC JOB IN REF PO'
  3 = "3 PRE MAIN JOB IN REF PO'
  4 = "4 PRE MISC JOB IN REF PO'
  5 = "5 LAST JOB OUTSD REF PO'
  6 = "6 RETIREMENT JOB'
 )
VALUE TEMPJOB
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 YES'
  2 = "2 NO'
 )
VALUE TIPRATE
 -10 = "-10 HOURLY WAGE >= $72.12'
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  0 = "0'
  0.01 = 15000 = '$0.01 - $15,000.00'
 )
VALUE TIPSUNIT
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 PER HOUR'
  2 = "2 PER DAY'
  3 = "3 PER WEEK'
  4 = "4 PER TWO WKS'
  5 = "5 PER MONTH'
  6 = "6 PER YEAR'
 91 = "91 OTHER'
 )
VALUE TOTLEMP
 -10 = "-10 # OF EMP >= 11000'
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  0 = "0'
  1 = 5000 = '1 - 5,000'
 )
VALUE TYPEEMPL
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 PRIVATE'
  2 = "2 FEDERAL'
  3 = "3 STATE'
  4 = "4 LOCAL'
  5 = "5 ARMED FORCES'
  6 = "6 FOREIGN NON US GOV'
 )
VALUE WKY_DIFF
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 PROMOTION OR DEMOTION'
  2 = "2 CHANGE IN HOURS'
  3 = "3 PAY INCREASE/DECREASE'
  4 = "4 AVOL COST OF LIVING INCR'
  5 = "5 NEW CONTRACT'
  6 = "6 CHANGE IN # HRS WKRD'
  7 = "7 CHANGE IN SHIFT TIME'
  8 = "8 RECEIVED EDU DEGREE'
  9 = "9 TOOK SPECIAL CLASSES'
 91 = "91 OTHER'
 )
VALUE WHY_LEFT
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 JOB ENDED'
  2 = "2 BUSINESS DISSOLVED OR SOLD'
  3 = "3 RETIRED'
  4 = "4 ILLNESS OR INJURY'
  5 = "5 LAID OFF'
  6 = "6 QUIT TO HAVE A BABY'
  7 = "7 QUIT TO GO TO SCHOOL'
  8 = "8 QUIT TO TAKE CARE OF HOME/FAM'
  9 = "9 QUIT TO REDUCE WORKED TIME OFF'
 10 = "10 QUIT TO TAKE OTHER JOB'
 11 = "11 UNPAID LEAVE'
 91 = "91 OTHER'
 )
VALUE WKLYAMT
 -10 = "-10 HOURLY WAGE >= $72.12'
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  0 = "0'
  0.07 = 3009 = '$0.07 - $3,000.00'
 )
VALUE WORKSTAT
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 GE 35 HRS'
  2 = "2 LT 35 HRS'
 )
VALUE YLEFT
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 JOB ENDED'
  2 = "2 RETIRED'
  3 = "3 ILLNESS OR INJURY'
  4 = "4 LAID OFF'
  5 = "5 HAVE BABY'
  6 = "6 SCHOOL'
  7 = "7 HOME CARE'
  8 = "8 TIME OFF'
  9 = "9 OTHER JOB'
 91 = "91 OTHER REASON'
 )
VALUE YNORGEN
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 BUSINESS SOLD'
  2 = "2 RETIRED'
  3 = "3 ILLNESS OR INJURY'
  4 = "4 LAID OFF'
  5 = "5 SCHOOL'
  6 = "6 HOME CARE'
  7 = "7 TIME OFF'
  8 = "8 OTHER JOB'
 91 = "91 OTHER REASON'
 )
VALUE Y_CHANGE
 -9 = "-9 NOT ASCERTAINED'
 -8 = "-8 DK'
 -7 = "-7 REFUSED'
 -1 = "-1 INAPPLICABLE'
  1 = "1 PROMOTION OR DEMOTION'
  2 = "2 CHANGE IN RESPONSIBILITIES'
  3 = "3 CHANGE IN AMT OF WOR HRS/BRINGS'
  4 = "4 CHANGE IN SHIFT TIME'
  5 = "5 CHANGE IN # OF EMPLOYEE AVAIL'
  6 = "6 ILLNESS/DISABILITY'
  7 = "7 TEMPORARY LEAVE'
  8 = "8 MATERNITY/PATERNITY LEAVE'
  9 = "9 GOING TO SCHL/FINISHED SCHOOL'
 10 = "10 CHANGE IN HOME/FAM SITUATION'
 11 = "11 NEED TIME OFF/WANT WRK HOME'
 91 = "91 OTHER'
 )
```