All dates send a two digit year. The time on the transmission header uses
a 24 hour clock and all other times in the ticket body use a 12 hour clock.

There is no preset limit on the length of the "Location" or "Remarks" fields.
There is no preset limit on the number of grids or members.

The header reads

MBRCOD SEQNO OUPSx MM/DD/YY HH:MM:SS TICKET-REV PPPP TTTT LLLL CCCC (additional information)

The "x" following OUPS will be either "a" or "b" depending on the sending
location.

The ticket numbers are in the form XYJJJNNNNN where
X   is the system identifier "A" or "B"
Y   is the last digit of the year
JJJ   is the Julian day of the year (001-366)
NNNNN is the ticket number of the day

The revision is a two digit number followed by a system identifier.

On transmissions that are not tickets, the sequence number is replaced
with one of the following:
SOD for a start of day message (not sent by this center).
EOD for an end of day audit.
SUM for a transmission summary that is not the end of day, e.g. a
       request for all tickets sent thus far on the current day, or a
       resend of a prior day's end of day summary, or a summary of another
    member code's transmissions sent at end of day.
MSG for an administrative broadcast message.

PPPP is the ticket priority is one of:
ROUT   Routine notice
INSF   Insufficient notice
EMER   Emergency (optionally followed by bells for data modem receivers)

TTTT is the ticket type and is one of:
NEW   New (only 3 bytes are sent)
UPDT   Update
REPT   Repeat
CNCL   Cancel
LATE   Late notice reminder for overdue positive response

LLLL is the notification (lookup) type and is one of:
NONE   None
CNTY   County
PLCE   Place
GRID   Grid
STRT   Street
POLY   Polygon

CCCC is the ticket category and is one of:
LREQ   Location request
DGIN   Dig-in
DSGN   Design
ONJB   On the job
LPRJ   Large Project/Meet ticket
MDIG   Dig ticket off the Large Project/Meet ticket

The additional information can include the following if applicable.

RSND   Resend of a ticket at the member's request.

Additional codes for any of the above may be added in the future.

Ticket body

```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
Ticket : A123456789 Rev: 12A Taken: MM/DD/YY HH:MM AM Channel: 123
```

This line will appear on all transmissions.


```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
Old Tkt: A123456789        Taken: MM/DD/YY HH:MM AM
```

This line will only appear if the revision is 01 or higher, or if the new ticket
refers to a different ticket number.


```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
State: 12  Cnty: 1234567890  Place: 12345678901234567890123456789012345678901234567890
```

There can be more than one occurrence of this line. The primary place will
always be sent first.


```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
Subdivsn: 1234567890123456789012345678901234567890
```

This line is suppressed if no subdivision was given.


```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
Lot nbrs: 1234567890123456789012345678901234567890
```

This line is suppressed if no lot numbers were provided.

```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345 67890
Address : 12345678901-12345678901  Street: 12345678901234567890123456789012345678 90
```

The address will be blank if not provided. If there is a single address,
there will not be a hyphen. The position of the "Street:" label is not fixed
on the line. It will begin with two spaces after the last address character.
This is because the maximum length of this line is 83 characters if all fields
are full, and for compatibility with printers, we try to keep the line length
at 80 characters or below.

```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345 67890
Cross 1 : 12345678901234567890123456789012345678 90  Intersection: Y
```

This line is suppressed if if there is no cross street.

```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345 67890
Cross 2 : 12345678901234567890123456789012345678 90       Between: Y
```

This line is suppressed if if there is no second cross street.

```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345 67890
Rail/Hwy: 123  Milemarker(s): 12345678901234567890123456789012345678 90
```

This line is always sent even if the fields are blank.

```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345 67890
Where   : THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG 1234567890 TIMES AND
        : HASTILY RUNS INTO THE CHICKEN COOP. THE QUICK BROWN FOX JUMPS OVER THE
        : LAZY DOG 1234567890 TIMES AND HASTILY RUNS INTO THE CHICKEN COOP. THE
        : QUICK BROWN FOX JUMPS OVER THE LAZY DOG 1234567890 TIMES AND HASTILY
        : RUNS INTO THE CHICKEN COOP. THE QUICK BROWN FOX JUMPS OVER THE LAZY
        : DOG 1234567890 TIMES AND HASTILY RUNS INTO THE CHICKEN COOP.
```

This field is always sent. Long lines will word wrap at column 80. There is
no set limit to the length of this field.

```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345 67890
WorkType: 12345678901234567890123456789012345678901234567890123456789012345678 90
```

Done for: 12345678901234567890123456789012345678901234567890123456789012345678901234567890
Done by : 12345678901234567890123456789012345678901234567890123456789012345678901234567890
Whitelined: Y Blasting: Y
Means of Excavation:
12345678901234567890123456789012345678901234567890123456789012345678901234567890

These fields are always sent.

```
          1         2         3         4         5         6         7         8         9
12345678901234567890123456789012345678901234567890123456789012345678901234567890
Dig In  : CATV/ELECTRIC/FIBER/GAS-BLOWING/PHONE/SEWER/WATER/CHEMICAL SPILL/OTHER UNKNOWN
```

This line is sent only for tickets with a DGIN (dig-in) category. Only those
items which apply will be sent. The OTHER UNKNOWN wording is just a placeholder
and other text will appear.

```
          1         2         3         4         5         6         7         8         9
12345678901234567890123456789012345678901234567890123456789012345678901234567890
Work date: MM/DD/YY HH:MM AM  Meet: Y
```

This information is always sent.

```
          1         2         3         4         5         6         7         8         9
12345678901234567890123456789012345678901234567890123456789012345678901234567890
Start by : MM/DD/YY HH:MM AM  Response Due: MM/DD/YY HH:MM AM
```

This line is sent only when a positive response is required.

```
          1         2         3         4         5         6         7         8         9
12345678901234567890123456789012345678901234567890123456789012345678901234567890
GPS lat : 1234567890  GPS long: 12345678901
```

This is latitude/longitude infomation provided by the caller. It is a free form
test field however they provide the information. It is suppressed if not given.

```
          1         2         3         4         5         6         7         8         9
12345678901234567890123456789012345678901234567890123456789012345678901234567890
Best Fit: 12.345678/-123.456789 12.345678/-123.456789
        : 12.345678/-123.456789 12.345678/-123.456789
```

This data is sent only if available. Also because Ohio is within 81 to 85
west longitude, the second coordinate will start in column 32. To make
a polygon, the points should be traversed in a clockwise direction, that is
Best Fit: (A)Lat1/Long1 (B)Lat2/Long2
        : (D)Lat4/Long4 (C)Lat3/Long3
If there are only 3 points, the first line will have two coordinates and the
second line will have only one coordinate (C)Lat3/Long3 but in column 11.

```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789
Bounds  : 12.345678/-123.456789 12.345678/-123.456789
        : 12.345678/-123.456789 12.345678/-123.456789
```
This data is not sent if best fit data was sent above. It will also not be sent
if there is no bounding data available. Also because Ohio is within 81 to 85 west
longitude, the second coordinate will start in column 32. To make a polygon,
the points should be traversed in a clockwise direction, that is
```
Bounds  : (A Upper left)Lat1/Long1 (B Upper right)Lat2/Long2
        : (D Lower left)Lat4/Long4 (C Lower right)Lat3/Long3
```

```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789
Comments: THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG 1234567890 TIMES AND
        : HASTILY RUNS INTO THE CHICKEN COOP. THE QUICK BROWN FOX JUMPS OVER THE
        : LAZY DOG 1234567890 TIMES AND HASTILY RUNS INTO THE CHICKEN COOP. THE
        : QUICK BROWN FOX JUMPS OVER THE LAZY DOG 1234567890 TIMES AND HASTILY
        : RUNS INTO THE CHICKEN COOP. THE QUICK BROWN FOX JUMPS OVER THE LAZY
        : DOG 1234567890 TIMES AND HASTILY RUNS INTO THE CHICKEN COOP.
```

This field is always sent. Long lines will word wrap at column 80. There is
no set limit to the length of this field.

```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789
Design call back requested: Y  Mailing of plan drawings requested: Y
```

This line is sent only for tickets with a DSGN (design) & LPRJ (large project) category.

```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789
Caller  : 12345678901234567890123456789  Phone: 123-456-7890  Ext: 1234
Company : 12345678901234567890123456789  Type: 1234
Co addr : 12345678901234567890123456789
```

The above lines are always sent. The phone extension is suppressed if empty.
The company type can contain
CONT = contractor
MEMB = utility member
HOME = homeowner
but other types should be allowed for future additions.

```
         1         2         3         4         5         6         7         8         9
1234567890123456789012345678901234567890123456789012345678901234567890123456789
Co addr2: 12345678901234567890123456789
```

This line is suppressed if if there is no second address line.


```
          1         2         3         4         5         6         7         8         9
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
City    : 12345678901234567890123456789  St: 12  Zip: 12345-6789
```

This line is always sent.


```
          1         2         3         4         5         6         7         8         9
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
Alt Tel#: 123-456-7890  Ext: 1234
Fax     : 123-456-7890
Alt cont: 12345678901234567890123456789  Phone: 123-456-7890  Ext: 1234
Email: 1234567890123456789012345678901234567890123456789012345678901234567890
```

These lines are all optional depending on whether they are populated. The
telephone extensions at the end of the lines are suppressed when blank.

For data modem receivers, they can optionally be sent bells at this point when
the ticket priority is EMER.

```
          1         2         3         4         5         6         7         8         9
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
Members:
MBR001 =COMPANY DESCRIPTION MAX LEN 30  MBR002 =COMPANY DESCRIPTION MAX LEN 30
MBR003 =COMPANY DESCRIPTION MAX LEN 30  MBR004 =COMPANY DESCRIPTION MAX LEN 30
MBR005 =COMPANY DESCRIPTION MAX LEN 30  MBR006 =COMPANY DESCRIPTION MAX LEN 30
MBR007 =COMPANY DESCRIPTION MAX LEN 30
```

If the member code length exceeds 7 characters, the equal sign will shift to
the right and fewer characters from the company name or description will be
sent.

```
          1         2         3         4         5         6         7         8         9
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
Members:
Lbps:
MBR008 =COMPANY DESCRIPTION MAX LEN 30  MBR009 =COMPANY DESCRIPTION MAX LEN 30
MBR010 =COMPANY DESCRIPTION MAX LEN 30  MBR011 =COMPANY DESCRIPTION MAX LEN 30
MBR012 =COMPANY DESCRIPTION MAX LEN 30
```

These are the Limited Basis Participants, if any. This block is suppressed
if there aren't any on the ticket. If the member code length exceeds 7
characters, the equal sign will shift to the right and fewer characters from
the company name or description will be sent.


```
          1         2         3         4         5         6         7         8         9
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
[Ticket (re)sent at your request]
```

[Originally sent as sequence number 12345 at MM/DD/YY HH:MM]

One of these will appear only when a resend of a ticket to a specific destination has been requested. The header line at the beginning also will have RSND at the end of the line. The time shown here uses a 24 hour clock.