

# ISO 2709

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- Standard for **bibliographic descriptions**, entitled Format for Bibliographic Information Interchange on Magnetic Tape.
- Developed in the 1960s by the **Library of Congress** to encode the information printed on library cards.
- First created as ANSI Standard **Z39.2**, called Information Interchange Format.
- 1981 version of the standard called Documentation—Format for bibliographic information interchange on magnetic tape.
- Latest edition of that standard is Z39.2-1994
- The ISO standard supersedes Z39.2.
- As of December 2008 the current standard is ISO 2709:2008.



# ISO 2709: Basic Structure

- A ISO 2709 record has **four sections**:
- **Record label:** the first 24 characters of the record.
  - Fixed in length.
  - Includes the record length and the base address of the data
  - It also has data elements that indicate how many characters are used for indicators and subfield identifiers.
- **Directory:** provides the entry positions to the fields in the record, along with the field tags.
  - Field tag (3 characters)
  - Length of the field
  - Starting character position of the field
  - (Optional) Implementation-defined part
- **Datafields:** a string containing all field and subfield data in the record
- **Record separator:** a single character



# ISO 2709: Record Label

Each bibliographic record begins with a fixed-length label of 24 characters, the contents of which are as follows:

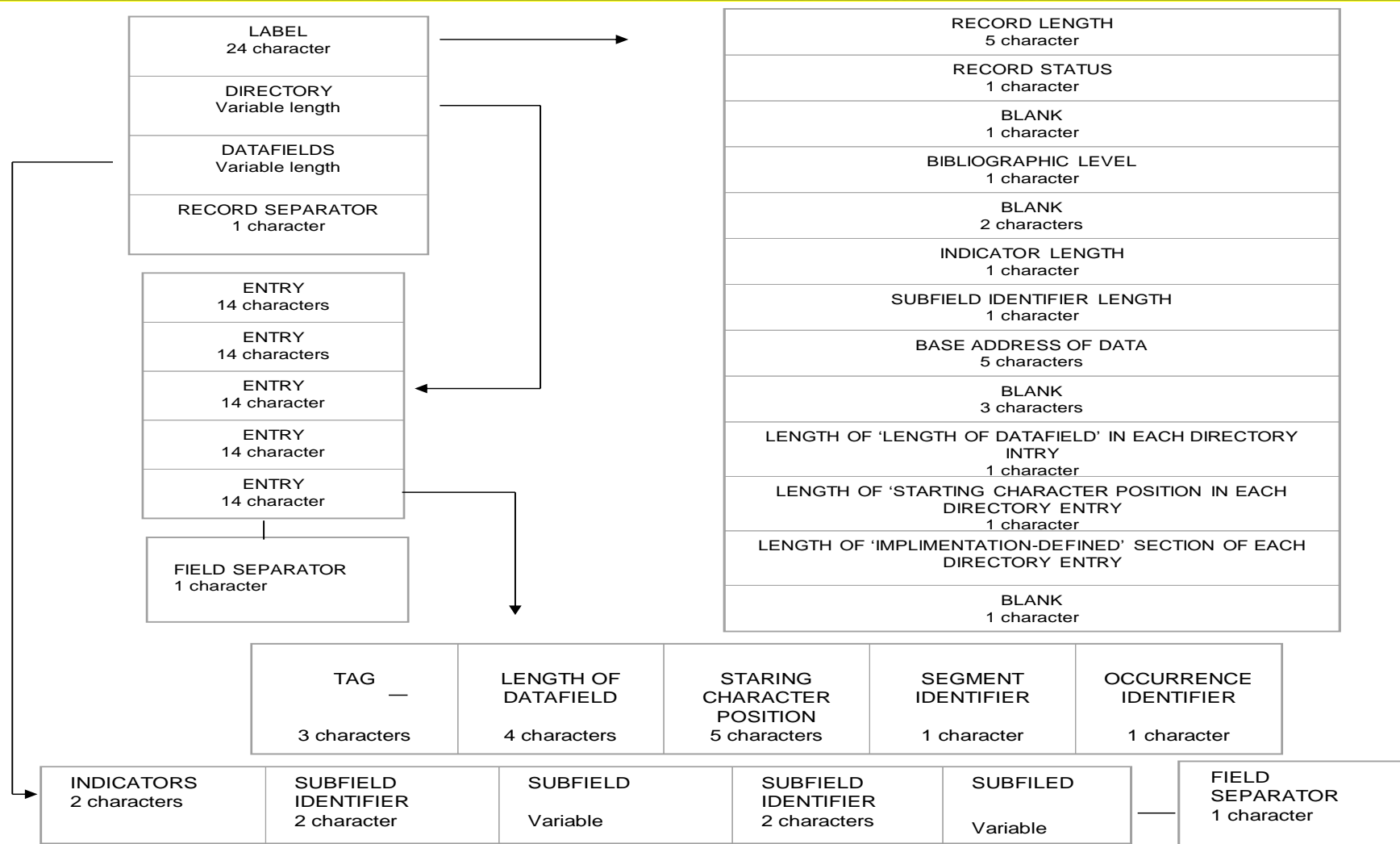
<u>Character Position</u>	<u>Contents</u>
0-4	Record Length
5	Record Status
6	Blank
7	Bibliographic level
8	Blank
9	Blank
10	'2' Indicator length
11	'2' Subfield identifier length
12-16	Base address of data
17-19	Blank
20	'4' Length of datafield
21	'5' Starting character position
22	'2' Segment identifier & Occur identifier
23	Blank



# ISO 2709: Directory

- **Tag:** A three character code identifying the datafield which corresponds to directory entry
- **Length of Datafields:** A four-digit number showing how many characters are occupied the datafield, including indicators and datafield separator but excluding the record separator code if the datafield is the last field in the record.
- **Starting character position:** A five-digit number giving the position of the first character of the datafield relative to the base address of data, i.e. the first character of the first of the datafield
- **Segment identifier:** A single character (chosen from 0-9 and/or A-Z) which designates the datafield as being a member of particular segment
- **Occurrence identifier:** A single character (chosen from 0-9 and A-Z) which differentiates multiple occurrences of the datafields that carry the same tag within the same record segment

# ISO 2709 Structure





# AACR2R Catalogue Card

	<b>Brenner, Richard J., 1941-</b>	
796.334/2	<b>Make the team. Soccer : a heads up guide to super soccer!/Richard J</b>	
	<b>Brenner . -- 1st ed. -- Boston : Little, Brown, c1990.</b>	
	<b>127 p. : ill. ; 19 cm.</b>	
	<b>"A Sports illustrated for kids book."</b>	
	<b>Summary: Instructions for improving soccer skills. Discusses</b>	
	<b>dribbling, heading, playmaking, defense, conditioning, mental attitude, how to</b>	
	<b>handle problems with coaches, parents, and other players, and the history of soccer.</b>	
	<b>ISBN 0316107514 : \$12.95</b>	
	<b>1. Soccer -- Juvenile literature. 2. Soccer. I. Title: Heads up guide to super</b>	
	<b>soccer. II. Title.</b>	
	<b>Dewey Class no.: 796.334/2 -- dc 20</b>	<b>89-48230</b>
		<b>MARC</b>

# ISO 2709 Record: An Example

```
01041cam 2200265 a 450000100200000000300040002000
50017000240080041000410100024000820200025001060200
04400131040001800175050002400193082001800217100003
20023524500870026724600360035425000120039026000370
04023000029004395000042004685200220005106500033007
30650001200763^###89048230#/AC/r91^DLC^19911106082
810.9^891101s1990####maua###j#####000#0#eng##^##$
a###89048230#/AC/r91^##$a0316107514 :$c$12.95^##$a
0316107506 (pbk.) :$c$5.95 ($6.95 Can.)^##$aDLC$cD
LC$dDLC^00$aGV943.25$b.B74 1990^00$a796.334/2$220^
10$aBrenner, Richard J.,$d1941-^10$aMake the team.
$pSoccer :$ba heads up guide to super soccer! /$cR
ichard J. Brenner.^30$aHeads up guide to super soc
cer.^##$a1st ed.^##$aBoston :$bLittle, Brown,$cc19
90.^##$a127 p. :$bill. ;$c19 cm.^##$a"A Sports ill
ustrated for kids book."^##$aInstructions for impr
oving soccer skills. Discusses dribbling, heading,
playmaking, defense, conditioning, mental attitud
e, how to handle problems with coaches, parents, a
nd other players, and the history of soccer.^#0$aS
occer$vJuvenile literature.^#1$aSoccer.^\\
```

Leader

Directory

Content