

TABLE 3.4 Entries common to all stream dictionaries

KEY	TYPE	VALUE
Length	integer	(Required) The number of bytes from the beginning of the line following the keyword stream to the last byte just before the keyword endstream. (There may be an additional EOL marker, preceding endstream, that is not included in the count and is not logically part of the stream data.) See “Stream Extent,” above, for further discussion.
Filter	name or array	(Optional) The name of a filter to be applied in processing the stream data found between the keywords stream and endstream, or an array of such names. Multiple filters should be specified in the order in which they are to be applied.
FFilter	name or array	(Optional; PDF 1.2) The name of a filter to be applied in processing the data found in the stream's external file, or an array of such names. The same rules apply as for Filter.
FDecodeParms	dictionary or array	(Optional; PDF 1.2) A parameter dictionary, or an array of such dictionaries, used by the filters specified by FFilter. The same rules apply as for DecodeParms.
DecodeParms	dictionary or array	(Optional) A parameter dictionary or an array of such dictionaries, used by the filters specified by Filter. If there is only one filter and that filter has parameters, DecodeParms must be set to the filter's parameter dictionary unless all the filter's parameters have their default values, in which case the DecodeParms entry may be omitted. If there are multiple filters and any of the filters has parameters set to nondefault values, DecodeParms must be an array with one entry for each filter: either the parameter dictionary for that filter, or the null object if that filter has no parameters (or if all of its parameters have their default values). If none of the filters have parameters, or if all their parameters have default values, the DecodeParms entry may be omitted. (See implementation note 7 in Appendix H.)
DL	integer	(Optional; PDF 1.5) A non-negative integer representing the number of bytes in the decoded (defiltered) stream. It can be used to determine, for example, whether enough disk space is available to write a stream to a file. This value should be considered a hint only; for some stream filters, it may not be possible to determine this value precisely.
F	file specification	(Optional; PDF 1.2) The file containing the stream data. If this entry is present, the bytes between stream and endstream are ignored, the filters are specified by FFilter rather than Filter, and the filter parameters are specified by FDecodeParms rather than DecodeParms. However, the Length entry should still specify the number of those bytes. (Usually, there are no bytes and Length is 0.) (See implementation note 46 in Appendix H.)