Intelligent Data Capture

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When discussing what intelligent data capture means, we need to look at how this type of technology works. This technology works just like how human beings do when reading through a document and capturing information from it. For instance when a human data entry operator reads through a paper document or scanned image he uses form elements, headings and various other text elements present on a document to identify where the information lies. Then he retypes the text from the paper document or scanned image into a text searchable file. This is the process by which intelligent data capture software works. It uses technologies such as OCR, ICR, OMR and OBR to capture data from documents. This data can be anything from printed text to handwriting and even barcodes and content of checkboxes. Also intelligent data capture can capture information from any type of document whether it has an unstructured format such as letters do, or a structured format such as questionnaires. It can even capture data from semi-structured forms such as invoices.

How Does Intelligent Data Capture Software Work?

When intelligent data capture software is used, different types of forms whether they are structured, semi-structured or unstructured can all be slotted into a single work stream. Right from the time they are scanned, until they are fully processed and converted into text searchable format these documents can be processed with high accuracy rates by intelligent data capture software as it can identify data on such documents just like a human being does by reading through the contents. The output from such software can be either text, Word files and even MS Excel files

based on the preferences of the user. This software is extremely advanced and can even reproduce formats present in the original file.

Benefits of Using Intelligent Data Capture Software

The main benefit of using intelligent data capture software is that various data capture software packages do not have to be used in an organization. Instead one intelligent data capture package can be used throughout all departments in a company.