Recognition Profile Mapping: OCE versus ABBYY

- In Kofax Capture 10, all Recognition Profiles use the ABBYY engine unless the OCE engine is installed and licensed (optional)

- For customers that upgrade their system to Kofax Capture 10, Kofax High Performance Recognition Profiles that are set within batch classes will be mapped to Kofax Advanced Recognition Profiles. The mapping occurs only to the engine that runs behind the Recognition Profile. The Recognition Profile names and Kofax Capture dialogs are kept the same:

OCE vs. ABBYY Engine Differences – Languages

- The following is the engine language differences when running the High Performance recognition profile using the ABBYY Engine
- The languages that are listed in the table are the only languages that need special conversion

OCE Engine	ABBYY Engine
Central European	Russian , Czech, Croatian, Hungarian, Polish
English – Canadian English – Irish English – UK English – USA	English
French French – Belgian French – Canadian French – Switzerland	French
German German – Austrian German – Switzerland	German
Italian Italian – Switzerland	Italian
South American	Spanish, Portuguese
Scandinavian	Swedish, Norwegian
Western European	English, French, German, Italian, Spanish

OCE & ABBYY Engines – Feature Differences

- The following are the feature differences when running the High Performance recognition profile using the ABBYY Engine

Feature	OCE	ABBYY
Print Type	Unknown	Automatic
	Machine print	Normal
	Fixed	Normal
	Handprint	New
	OCR-A	New
	OCR-B	New
	Farrington 7E	N/A
	CMC7	CMC7
	E13B	E13B
Content	Alphanumeric	Any
	Numeric	Numbers only
	Amount	Numbers only
Character set	Character set	New
Machine Print Pitch/Handprint Pitch	Unknown, Fixed, Variable, Manual	N/A
Mark Settings	Mark Flag	Mark Flag
	Mark Level	Mark Level
Dictionary Settings	Word type, Maximum length difference	N/A
Voting	RecoStar, AEG Recognition	N/A
Text Rotation	0, 90, 180, 270	0, 90, 180, 270
Light text on dark background	Yes	N/A
Include characters on zone boundary	Yes	N/A

See the key on the next page

OCE & ABBYY Engines – Feature Differences

- Engine Feature Differences (key for previous table):
  - Automatic
    - The feature will try to recognize the character by searching the best-matched print type among the available print types
  - Normal
    - The feature will try to recognize the character as regular machine printed characters (this is the default value for OCR recognition profiles)
  - New
    - The feature was implemented in ABBYY FineReader 9 and is used by KC 9
  - N/A
    - The feature is not implemented in KC 9 – selecting one of these options will not affect the recognition results

  - Due to the feature discrepancy between OCE and ABBYY, the recognition results may be different than expected. If the recognition results are unsatisfactory, it is recommended to do the following to improve results:
    - Adjusting the Print Type selection in Recognition profile settings
    - Adjusting the Image Cleanup tuning in Recognition profile settings

OCE & ABBYY Engines – Character Type Differences

- The following are the expected results when running the High Performance recognition profile using the ABBYY Engine

Source	OCE Numeric	OCE Amount	ABBYY Numbers
0123456789**#$'*** +,-./<>	0123456789#$'* +,-./<>	0123456789#$'* +,-./<>	0123456789**^^-^**+,-./**0**
$1,987.65	$1,987.65	$1,987.65	$1,987.65
1+2 = 3	1+2 = 3	1+2 = 3	1+2 = 3
4*****5 = 20	4*5 = 20	4*5 = 20	4**^**5 = 20
6-7=**X**	6-7=X	6-7=X	6-7=**)(**
8/4=**x**	8/4=X	8/4=X	8/4=**)(**
AB123**CD$Xx**	8123$60XX	8123$60XX	**/^6**123**^00)()(**
3**>**2**<**4	3>2<4	3>2<4	3**^**2**^**4
#890,012.45	#890,012.45	#890,012.45	#890,012.45

  - The characters in red show the difference between ABBYY and OCE
  - When processing numbers, ABBYY does not support the following:
    - **X, x, <, >, ***
    - **#** and **$** sign if not the first character (if it is the first character, ABBYY will show it)