



Digital Pen technology

Unicef Somalia

unite for children



What is Digital Pen Technology

- Input device which allows to convert handwritten information into digital data.
- What's involved:
 - The Digital Pen
 - Digital enabled paper
 - PC cradle to download data/bluetooth and mobile phone
 - Software installed on PC

Added value of DP Technology (1)

- Speed up process of data collection, transmission and storage;
- Enable to collect standardized data from different sources;
- Data are safely saved on an online platform accessible everywhere;
- Easy with little training required, IT support only required for initial software installation;

Added value of DP Technology (2)

- Data protection: data access can be restricted (agreement);
- Beneficiary registration (photos and read bar code)

NB

- ✓ Need to have internet connection
- ✓ Need to be accepted by local authorities/security
- ✓ Need for planning form shipment
- ✓ Timeframe 6 months or more

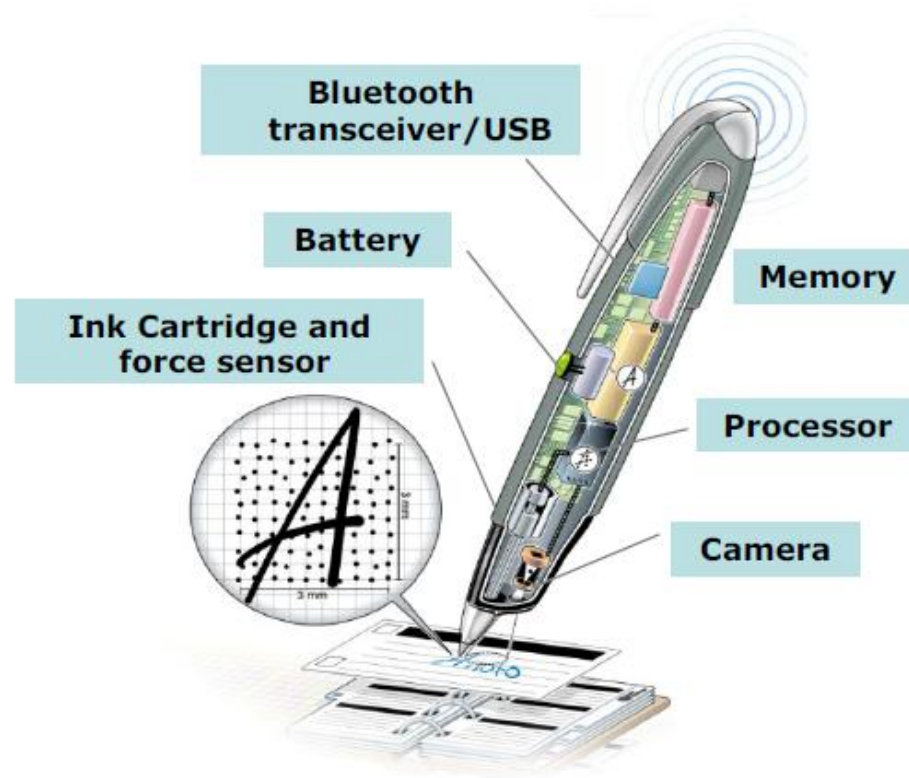
DP in UNICEF Somalia Experience

- Piloting use of DP technology with NGOs partners
- Part of a common M&E Plan agreed by the Cash and Voucher Monitoring group, to obtain data on market prices and post distribution monitoring of cash/voucher (collaboration with ODI), final assessment
- UNICEF Somalia in collaboration with FAO
- South and Central Somalia

Types of information collected

- Forms developed by ODI and currently in use:
 - Beneficiary registration form;
 - Baseline form;
 - Cash monthly PDM;
 - Voucher monthly PDM;
 - Cash quarterly PDM;
 - Voucher monthly PDM,
 - Market price data collection (weekly).

Digital Pen



Server

- Hand recognition and interpretation
- Database
- Web server

CASH / VOUCHER INTERVENTIONS: MARKET PRICE MONITORING FORM

START Questionnaire Number: 008 V.1.1

A: PERSONAL INFORMATION

A1: Name of Data Collector

A2: District: HAMAR JAJAB

Date: 03/11/2011

Region: BANADIR

Name of market: AFASYONI

Date of start of most recent cash distribution: 14/10/2011 Date of end of most recent cash distribution: 20/10/2011

Item	Quantity	Available	Price (SoSh)
1 White maize	50kg	1	600
	1kg	1	12
2 Yellow maize	50kg	0	0
	1kg	0	0
3 Imported red rice	1kg	1	33
4 Red Sorghum	50kg	1	650
	1kg	1	14
5 Wheat flour	1kg	1	17
6 Sugar	1kg	1	28
7 Veg. oil	1 Litre	1	42
8 Cow milk	1 Litre	1	22
9 Camel milk	1 Litre	1	32
10 Water	20 litre	1	3
11 Tea leaves	1kg	1	50
12 Coeppass	1kg	1	50
13 Salt	1kg	1	12
14 Meat (goat)	1kg	1	4
15 Soap (Laundry Bar)	1 piece	1	45
16 Grinding Cost (of cornals)	Per kg	1	24
17 Kerosene	1 Litre	1	45
18 Firewood	1 bundle	1	27
19 Charcoal	1 sack (50kg)	1	172
20 Petrol	1 Litre	1	28
21 Diesel	1 Litre	1	38
22 Daily labour rate (unskilled)	1 day	1	150
	Local	1	290
23 Camel	Export quality	1	30200
	Local	1	5000
24 Cattle	Export quality	1	650
	Local	1	850
25 Goat	Local	1	1985
	Export quality	1	2300
26 Sheep	Local	1	1300
	Export quality	1	1600
27 Exchange rate SoSh/USD			20
28 Exchange rate (border areas only) SoSh/Kenya Shilling			0

Send Form

View Edit Reports Admin Help Logout

Username: Admin

VOUCHER MONTHLY POST DISTRIBUTION MONITORING FORM

Questionnaire Number: 123-M4-567 VER 6 10/09/11

A: PERSONAL INFORMATION

A1 ID Number: 9900123456789012

A2 District: DUNCAN VILLAGE

A3 Village: EAST LONDON ERASI

A4 GPS (for IDP camps): 2100246E467890 A5 NGO: ABSA

A6 Date of interview: 20/11/2011 A7 Gender of respondent (1=mm, 2=f): 1

A8 Gender of the head of the hh (1=m, 2=f): 1 A9 Size of hh: 124

A10 Number of children in the hh < 5 years old: 06 A11 Targeting criteria for beneficiary: 1

Codes for A11:
 1 = Nutrition Centre Cart, 2 = Pregnant / Lactating Mother, 3 = Women headed HH, 4 = IDP, 5 = Community Based Targeting, 6 = Other

A12 Name of Enumerator: SACINO NAEMA LONA

A13 Which best describes your household status? 1

Codes for A13:
 1 = normally resident in this area, 2 = moved here due to drought, 3 = moved here due to conflict, 4 = moved here for other reasons

A14 What is your household's usual livelihood strategy (code) 1

Print for A11: 1 - normally resident 2 - moved here due to drought 3 - moved here due to conflict 4 - moved here for other reasons

Practice session

...?!?



Thank you!

If need info/more questions

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