
e-PLAN

Sistem Pengurusan Pelan Elektronik On-Line

**Manual Database Fields
& Dictionary Versi 6**



Bahagian Rekabentuk dan Empangan
Jabatan Pengairan dan Saliran Malaysia
October 2015

Manual Database Fields & Dictionary e-PLAN Versi 6

1. Tujuan : Tujuan Manual *Database Fields & Dictionary* e-PLAN ini adalah untuk memberi penjelasan mengenai senarai standard *database fields & dictionary* yang digunakan dalam sistem e-PLAN yang telah dipersetujui oleh J/K Pengurusan Pelan (JKPP) untuk digunapakai di Jabatan.
2. Aplikabiliti : Manual *Database Fields & Dictionary* e-PLAN ini adalah panduan/rujukan untuk menggunakan standard *database fields* dalam sistem pengurusan pelan yang serupa di pejabat Negeri/Bahagian.

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Manual *Database Fields & Dictionary* e-PLAN Versi 1 – Okt 2008
Manual *Database Fields & Dictionary* e-PLAN Versi 2 – Mac 2010
Manual *Database Fields & Dictionary* e-PLAN Versi 3 – Sept 2010
Manual *Database Fields & Dictionary* e-PLAN Versi 4 – Dis 2011
Manual Database Fields & Dictionary e-PLAN Versi 5 – Jun 2014

Manual *Database Fields & Dictionary* e-PLAN Versi 6 – Okt 2015

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Latar Belakang

e-PLAN versi internet (web-based) telah beroperasi semenjak Oktober 2002. Berdasar maklumbalas yang positif dari pengguna e-PLAN, pihak atasan JPS memutuskan sistem e-PLAN digunakan di pejabat JPS yang ingin mengadakan sistem pengurusan pelan elektronik yang serupa.

Lanjutan keputusan tersebut, J/K Penyelarasan Pelan (JKPP) telah dibentuk pada 13 Julai 2004 dimana BSGE (nama lama BRE) telah dilantik sebagai urusetia dan BTM sebagai penasihat.

Skop kerja yang diberikan ke JKPP adalah seperti berikut :

- fieldname dan database yang standard
- data dictionary – istilah fieldname
- sistem menyeluruh dan mesra guna
- pengembalian pelan dengan cepat
- mudah digunakan di semua pejabat JPS secara web-based

Susulan dari itu, kerja-kerja penambahbaikan kepada e-PLAN seperti terkandung dalam skop kerja telah dilaksanakan. Selain dari itu, medan pangkalan data (*database fields*) yang standard dan istilah data (*data dictionary*) e-PLAN telah disediakan dan dipersetujui oleh JKPP untuk digunakannya di pejabat JPS yang akan menggunakan sistem pengurusan pelan elektronik yang sama.

Bagi membantu pengguna khususnya editor bahagian / negeri memasukkan data dengan betul, **manual *Database Fields & Dictionary* e-PLAN** ini diterbitkan. Manual ini akan dikemaskini mengikut keperluan.

Sehubungan dengan itu, pihak kami sangat berbesar hati sekiranya mendapat kerjasama warga JPS dalam menggunakan sistem e-PLAN dan sejurusnya memberi maklumbalas kepada pihak kami supaya kerja-kerja penambahbaikan e-PLAN dapat dijalankan berterusan bagi memastikan ia dapat memenuhi kehendak warga JPS. Maka, komen dan cadangan anda amat dialu-alukan dan sila tuju kepada eplan@water.gov.my.

Bahagian Rekabentuk dan Empangan

Tarikh : Oktober 2015

Manual *Database Fields & Dictionary* e-PLAN V6 – Oktober 2015
Manual *Database Fields & Dictionary* e-PLAN V5– Jun 2014
Manual *Database Fields & Dictionary* e-PLAN V4 – Disember 2011
Manual *Database Fields & Dictionary* e-PLAN V3 – September 2010
Manual *Database Fields & Dictionary* e-PLAN V2 – Mac 2010
Manual *Database Fields & Dictionary* e-PLAN V1 – Oktober 2008

LAMPIRAN 1

e-PLAN - PROJECT PLAN : DATABASE FIELD STRUCTURE

DATABASE FIELD DISPLAY	DATABASE FIELD	TYPE	WIDTH
Main Title	Title_1	STRING	125
Sub Title 1	Title_2	STRING	125
Sub Title 2	Title_3	STRING	125
Type of Projects	TypeOfProject	STRING	50
State	State	STRING	30
District	District	STRING	30
Designer	Designer	STRING	50
Date Plan Created	DatePlanCreated	DATE	30
Checked By	Checker	STRING	50
Date Plan Checked	DatePlanChecked	DATE	30
Plan No.	PlanNo	STRING	40
Contract No.	ContractNo	STRING	40
Source	Source	STRING	70
Location Of Plans	PlanLocation	STRING	70
Type Of Plans	PlanType	STRING	40
File Extension	Ext	STRING	5
File Format	Format	STRING	30
Keywords	Keywords	STRING	125
Remarks	Remarks	MEMO	Width =125 Height=5
Negative No	NegativeNo	STRING	15
Plan File No	PlanFileNo	STRING	10
Microfilm No	MicrofilmNo	STRING	15
Tin No	TinNo	STRING	5
Keyin By	KEYINBY	STRING	50
Year Keyin	YEARKEYIN	STRING	8
Updated By	UPDATEDBY	STRING	50
Year Updated	YEARUPDATED	STRING	8

e-PLAN - PROJECT PLANS
DATABASE FIELDS, DATA DICTIONARY & EXAMPLE

DATABASE FIELD DISPLAY	DATABASE FIELD	DATABASE DICTIONARY	EXAMPLE
Main Title	Title_1	Main title	PEMBINAAN 'NAVIGATION LOCK' DI SUNGAI CHINI, DAERAH PEKAN, PHG DRL MAKMUR
Sub Title 1	Title_2	Sub title 1	U-SHAPED CHANNEL
Sub Title 2	Title_3	Sub title 2	DETAILS OF REINFORCEMENT
Type of Projects	TypeOfProject	Categories of Projects	Irrigation & Agriculture Drainage - refer to LAMPIRAN 3
State	State	Name of state where the project is located	Perlis, Kedah, Perak etc..(including NA) refer to LAMPIRAN 7
District	District	Name of district where the project is located	Perlis, Baling, Kinta etc..(including NA), refer to LAMPIRAN 8 & 9
Designer	Designer	Name of Designer to be spelled in FULL	NG KOK SENG
Date Plan Created	DatePlanCreated	Date Plan is created / signed by designer	01-04-98
Checked By	Checker	Name of Checker	NG KIM HOY
Date Plan Checked	DatePlanChecked	Date Plan approved and signed by checker	01-04-98
Plan No.	PlanNo	Plan Number	IP- JPS- PHG-318-1
Contract No.	ContractNo	Contract Number	JPS-PHG-P-1998-1
Source	Source	Office where plans originate	BKHP, BKP, BRErefer to LAMPIRAN 5
Location Of Plans	PlanLocation	Name of offices / Divisions where the hardcopy plans are kept	Unit Bangunan, BKHP, BRErefer to LAMPIRAN 6
Type Of Plans	PlanType	Type of plans - survey, tender, contract, construction, as-built, project, standard & otherst	Project refer to LAMPIRAN 4
File Extension	Ext	Type of file extension	DWG, DWF, TIF, JPG, PDF
File Format	Format	Type of file for each type of file extension	TIFF Class F Group 4, AutoCAD R14 Dwg, AutoCAD 2000 Dwg, Drawing Web Format
Keywords	Keywords	Salient word(s) to associate/refer to plans	Chini, Navigation Lock, Recreation
Remarks	Remarks	Remarks to indicate status, additional information of plan, name of consultant.	This Plan is modified from Plan No : IP JPS XXXXXXXX THIS PROJECT IS DONE BY SEPAKAT SETIA KONSULTANT (SDN) BHD
Negative No	NegativeNo	Negative No for the plan	D5285
Plan File No	PlanFileNo	Plan File No for the plan	NA (not available)
Microfilm No	MicrofilmNo	Microfilm No for the plan	NA (not available)
Tin No	TinNo	Tin No for the plan	NA (not available)
Keyin By	KEYINBY	KEYINBY	Name of staf who first keyin the record
Year Keyin	YEARKEYIN	YEARKEYIN	Year inputing record is done
Updated By	UPDATEDBY	UPDATEDBY	Name of staf who edit the record
Year Updated	YEARUPDATED	YEARUPDATED	Year editing record is done

NOTE :

- NA** - Not Available (is used when information is not available/readable)
NR - Not Related (is used when the fields concerned is not related to the plan)
NONE - No Information (is used when there is no information for the fields concerned)

e-PLAN - PROJECT PLAN : LISTING OF TYPE OF PROJECTS

NO	TYPE OF PROJECTS (TypeOfProject)	NO	TYPE OF PROJECTS (TypeOfProject)
01	IRRIGATION & AGRICULTURAL DRAINAGE	02	FLOOD MITIGATION WORKS(urban & rural drainage)
	i. IRRIGATION		i. DRAINAGE
	ii. PUMPING		ii. FLOOD MITIGATION
	iii. AGRICULTURAL DRAINAGE		iii. FLOOD RETENTION POND
	iv. FARM ROAD		iv. CANALISATION
			v. BUNDING
03	COASTAL WORKS	04	RIVER WORKS
	i. COASTAL PROTECTION		i. BANK PROTECTION
	ii. REVETMENT		ii. BANK STABILISATION
	iii. COASTAL EROSION		iii. SLOPE PROTECTION
			iv. SLOPE STABILISATION
			v. RIVER IMPROVEMENT
			vi. DESILTING
05	HYDROLOGY	06	REHABILITATION WORKS
	i. INSTALLATION OF HYD. STN		i. REHABILITATION
			ii. REPAIRS
07	BUILDINGS	08	DAM
	i. BUILDING		
	ii. BUILDING RENOVATION		
	iii. KUARTER		
	iv. PEJABAT/OFFICE		
99	OTHERS	09	MECHANICAL
	i. JETTY		
	ii. POND		
	iii. RECREATION		
	iv. AQUACULTURE		
	v. OTHERS		

LAMPIRAN 4

e-PLAN - PROJECT PLAN : CODES FOR TYPE OF PLANS

Code	TYPE OF PLANS (PlanType)
00	No Information
01	Survey
02	Tender
03	Contract
04	Construction
05	As-Built
06	Project
07	Standard
08	Mechanical
99	Others

LAMPIRAN 5

e-PLAN - PROJECT PLAN : LOOKUP LIST FOR SOURCE

NO	SOURCE
1	NO INFORMATION
2	BAHAGIAN KEJURUTERAAN PANTAI
3	BAHAGIAN KEJURUTERAAN SUNGAI
4	BAHAGIAN KHIDMAT PAKAR
5	BAHAGIAN REKABENTUK DAN EMPANGAN
6	BAHAGIAN PENGAIRAN & SALIRAN PERTANIAN
7	BAHAGIAN SALIRAN & TEBATAN BANJIR
8	JPS JOHOR
9	JPS KEDAH
10	JPS KELANTAN
11	JPS MELAKA
12	JPS NEGERI SEMBILAN
13	JPS PAHANG
14	JPS PERAK
15	JPS PERLIS
16	JPS PULAU PINANG
17	JPS SABAH
18	JPS SARAWAK
19	JPS SELANGOR
20	JPS TERENGGANU
21	JPS WP KUALA LUMPUR
22	JPS WP LABUAN
23	JPS WP PUTRAJAYA
24	BPLSZP - SEKSYEN PANTAI
25	BPLSZP - SEKSYEN SUNGAI
26	BAHAGIAN PENGURUSAN BANJIR
27	BRE
28	BAHAGIAN SALIRAN MESRA ALAM
29	BPME
30	SMART
31	BBI
99	OTHERS

LAMPIRAN 6

e-PLAN - PROJECT PLAN : LOOKUP LIST FOR LOCATION OF PLANS

NO	LOCATION OF PLANS (PLANLOCATION)
1	NO INFORMATION
2	BAHAGIAN KEJURUTERAAN PANTAI
3	BAHAGIAN KEJURUTERAAN SUNGAI
4	BAHAGIAN KHIDMAT PAKAR
5	BAHAGIAN REKABENTUK DAN EMPANGAN
6	BAHAGIAN PENGAIRAN & SALIRAN PERTANIAN
7	BAHAGIAN SALIRAN & TEBATAN BANJIR
8	JPS JOHOR
9	JPS KEDAH
10	JPS KELANTAN
11	JPS MELAKA
12	JPS NEGERI SEMBILAN
13	JPS PAHANG
14	JPS PERAK
15	JPS PERLIS
16	JPS PULAU PINANG
17	JPS SABAH
18	JPS SARAWAK
19	JPS SELANGOR
20	JPS TERENGGANU
21	JPS WP KUALA LUMPUR
22	JPS WP LABUAN
23	JPS WP PUTRAJAYA
24	BPLSZP - SEKSYEN PANTAI
25	BPLSZP - SEKSYEN SUNGAI
26	BAHAGIAN PENGURUSAN BANJIR
27	BRE
28	BAHAGIAN SALIRAN MESRA ALAM
29	BPME
30	SMART
31	BBI
32	BPZP
33	BPLS
99	OTHERS

LAMPIRAN 7**e-PLAN - PROJECT PLAN : CODES FOR STATES**

Code	STATE (State)
00	No Information Available
01	Johor
02	Kedah
03	Kelantan
04	Melaka
05	Negeri Sembilan
06	Pahang
07	Pulau Pinang
08	Perak
09	Perlis
10	Selangor
11	Terengganu
12	Sabah
13	Sarawak
14	WP Kuala Lumpur
15	WP Labuan
16	WP Putrajaya
99	Others

e-PLAN - PROJECT PLAN : CODES FOR DISTRICTS

Code	DISTRICT (District)	Code	DISTRICT (District)
JOHOR		MALACCA	
0100	No Information	0400	No Information
0101	Batu Pahat	0401	Alor Gajah
0102	Johor Bharu	0402	Jasin
0103	Kluang	0403	Melaka Tengah
0104	Kota Tinggi		
0105	Mersing		
0106	Muar	NEGERI SEMBILAN	
0107	Pontian	0500	No Information
0108	Segamat	0501	Jelebu
0109	Tangkak	0502	Kuala Pilah
		0503	Port Dickson
		0504	Rembau
KEDAH		0505	Seremban
0200	No Information	0506	Tampin
0201	Baling	0507	Jempol
0202	Bandar Baharu	0508	Gemas
0203	Kota Setar		
0204	Kuala Muda		
0205	Kubang Pasu	PAHANG	
0206	Kulim	0600	No Information
0207	Langkawi	0601	Bentong
0208	Padang Terap	0602	Cameron Highlands
0209	Sik	0603	Jerantut
0210	Yan	0604	Kuantan
0211	Pendang	0605	Kuala Lipis
0212	Pokok Sena	0606	Pekan
		0607	Raub
		0608	Temerloh
KELANTAN		0609	Rompin
0300	No Information	0610	Maran
0301	Bachok	0611	Bera
0302	Kota Bharu		
0303	Machang		
0304	Pasir Mas	PENANG	
0305	Pasir Putih	0700	No Information
0306	Tanah Merah	0701	Seberang Perai Tengah
0307	Tumpat	0702	Seberang Perai Utara
0308	Gua Musang	0703	Seberang Perai Selatan
0309	Kuala Krai	0704	Daerah Timor Laut
0310	Jeli	0705	Daerah Barat Daya

e-PLAN - PROJECT PLAN : CODES FOR DISTRICTS

Code	DISTRICT (District)	Code	DISTRICT (District)
PERAK		SABAH	
0800	No Information	1200	No Information
0801	Batang Padang	1201	Penampang/Kota Kinabalu
0802	Manjung	1202	Beaufort
0803	Kinta	1203	Kota Belud
0804	Kerian	1204	Keningau
0805	Kuala Kangsar	1205	Tuaran
0806	Larut Matang & Selama	1206	Kota Marudu
0807	Hilir Perak	1207	Ranau
0808	Hulu Perak	1208	Tawau
0809	Perak Tengah	1209	Sandakan
0810	Lenggong	1210	Tambunan
0811	Pengkalan Hulu	1211	Papar
0812	Kg. Gajah	1212	Kudat
0813	Sg. Siput		
		SARAWAK	
		1300	No Information
PERLIS		1301	Kuching
0900	No Information	1302	Lundu
0901	Perlis	1303	Bau
		1304	Samarahan
		1305	Asajaya
SELANGOR		1306	Simunjan
1000	No Information	1307	Serian
1001	Gombak	1308	Seri Aman
1002	Klang	1309	Lubok Antu
1003	Kuala Langat	1310	Betong
1004	Kuala Selangor	1311	Saratok
1005	Petaling	1312	Sibu
1006	Sabak Bernam	1313	Kanowit
1007	Sepang	1314	Selangau
1008	Hulu Langat	1315	Mukah
1009	Hulu Selangor	1316	Dalat
1010	Kuala Lumpur (before 1.2.1974)	1317	Daro
		1318	Matu
		1319	Miri
TERENGGANU		1320	Marudi
1100	No Information	1321	Bintulu
1101	Besut	1322	Tatau
1102	Dungun	1323	Limbang
1103	Kemaman	1324	Lawas
1104	Kuala Terengganu	1325	Sarikei
1105	Marang	1326	Meradong
1106	Hulu Terengganu	1327	Julau
1107	Setiu	1328	Pakan
		1329	Kapit
		1330	Song
		1331	Belaga

