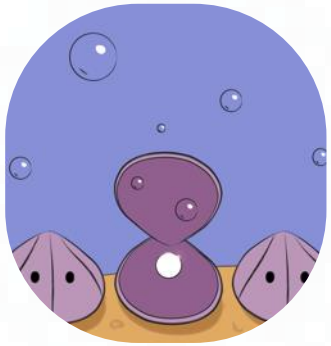
The Use of App Technology to Monitor Greenspaces Quality and Playground Safety

October 2022

Debbie Johns, Head of performance networks

Inspection Apps

bit.ly/APSELAMS



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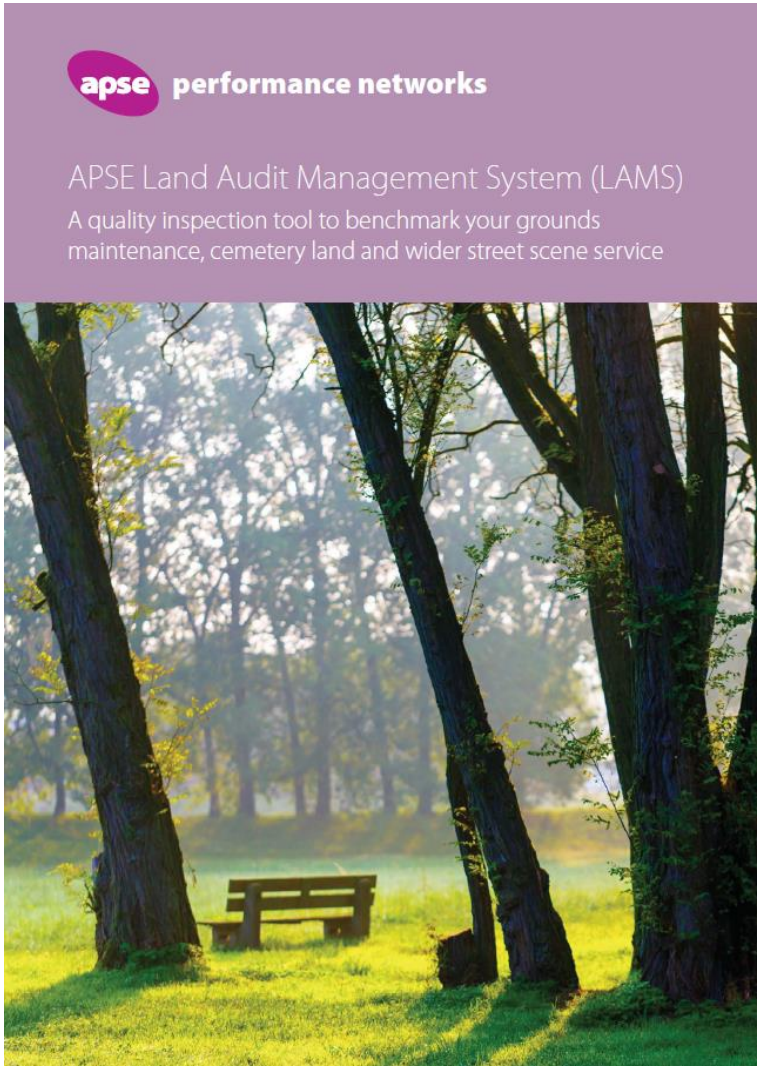
LAMS is

- Land Audit Management System
- Developed in Scotland and rolled out on a UK wide basis
- Monitor grounds maintenance, also be applied to street cleansing for a total street scene quality score.
- Simple and effective performance measuring system
- Can be used for cemetery land
- Can be used by volunteers
- ‘what the public would see’ rather than requiring a technical inspection
- App has been developed and is being used by LA staff and volunteers



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Performance measurement

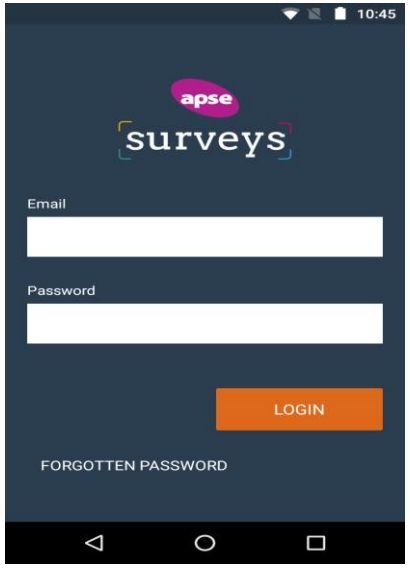
- Collects data source for comparative Performance Indicators at national level (real time & annual)
- Contributes to annual performance awards
- Available to all PN members for relevant services
- 46 councils pay for and use the App

What does it monitor?

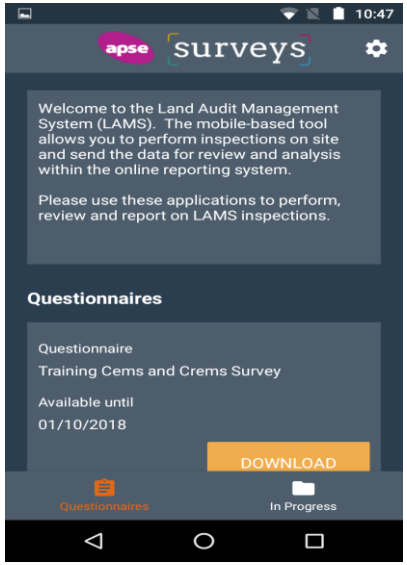
	Grounds maintenance	Street cleansing	Cemetery and crematorium services
Grounds maintenance	✓		✓
Grass cutting	✓		✓
Shrub bed maintenance	✓		✓
Flower bed maintenance	✓		✓
Surface weeds	✓	✓	✓
Litter	✓	✓	✓
Detritus		✓	
Fly tipping	✓	✓	✓
Fly posting	✓	✓	
Dog fouling	✓	✓	✓
Bins over flowing	✓	✓	✓
Bin structure	✓	✓	✓
Bin cleanliness	✓	✓	✓
Vandalism/ damage			✓
Graffiti		✓	
Staining/ gum		✓	

App Layout

USING THE APSE LAMS APP

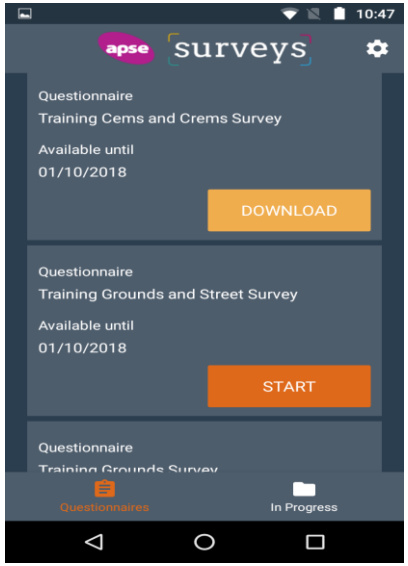


On opening the app, login with the email and password you have been set up with.



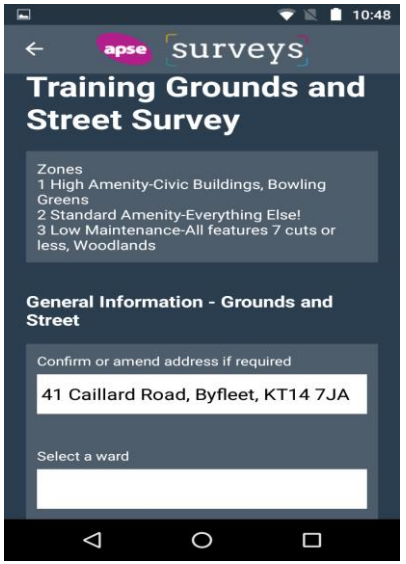
After login, the Welcome message displays from both APSE and your LA. See Admin Panel use for where to create the LA Welcome Message.

The Questionnaires list populates with the LAMS Inspections assigned to you.



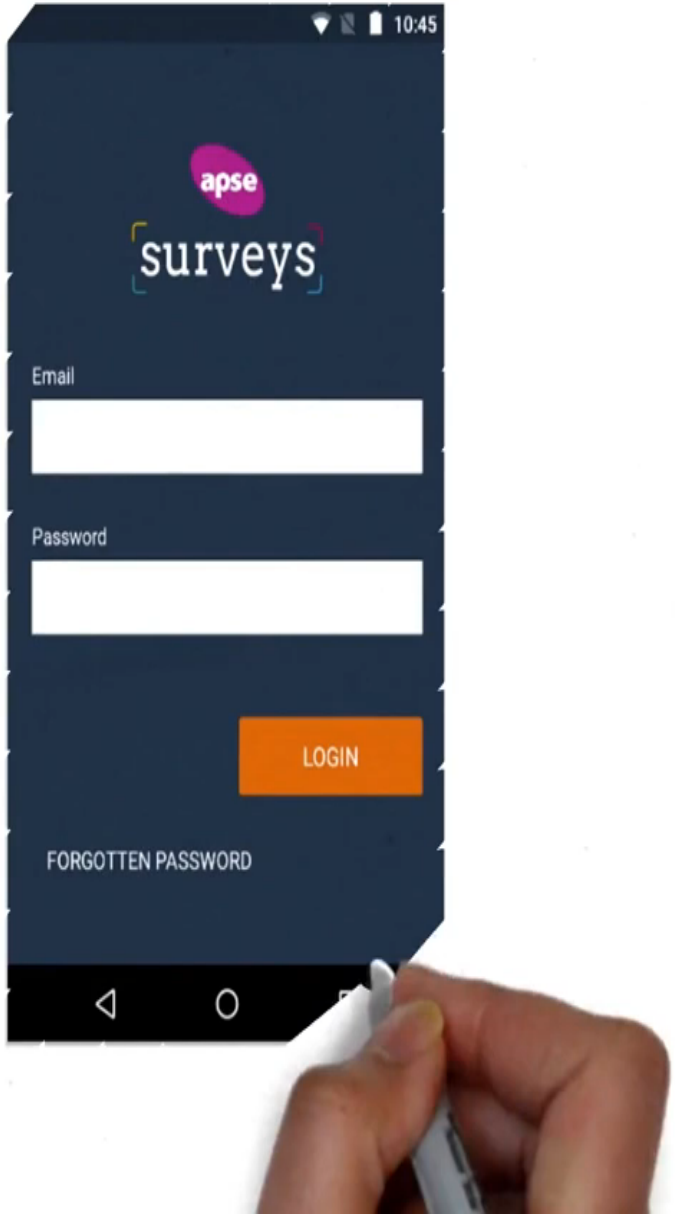
Clicking the 'Download' button downloads that survey to your device for completion, changing to a 'Start' button on completion of the download.

Select the 'Start' button to commence your inspection.



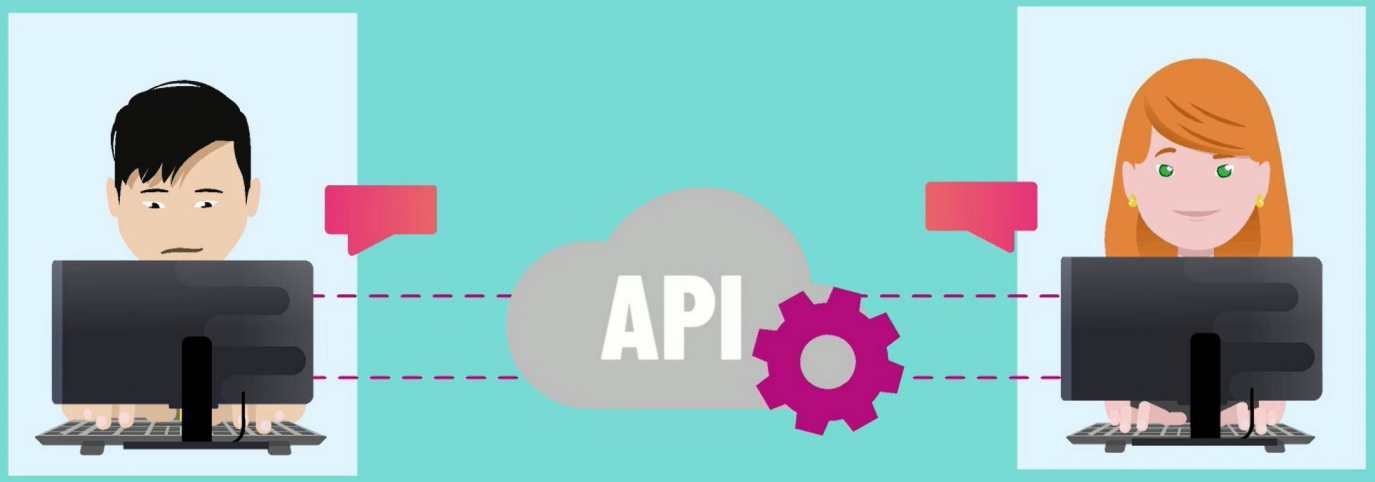
Notes on completing the Inspection and definition of the Zones in your LA display first.

Address is populated by your device – you must have location services on and accept the apps use of them.


10:45
apse
surveys
Email
Password
LOGIN
FORGOTTEN PASSWORD

App improvements (optional)

- Inclusion of a randomiser to automatically allocate inspection lists to inspectors.
- Inclusion of a map of planned inspections on the App and a route planning facility.
- Inclusion of an API to link into back office scheduling systems.


API

Reports and analysis

apse performance networks

Family group comparison

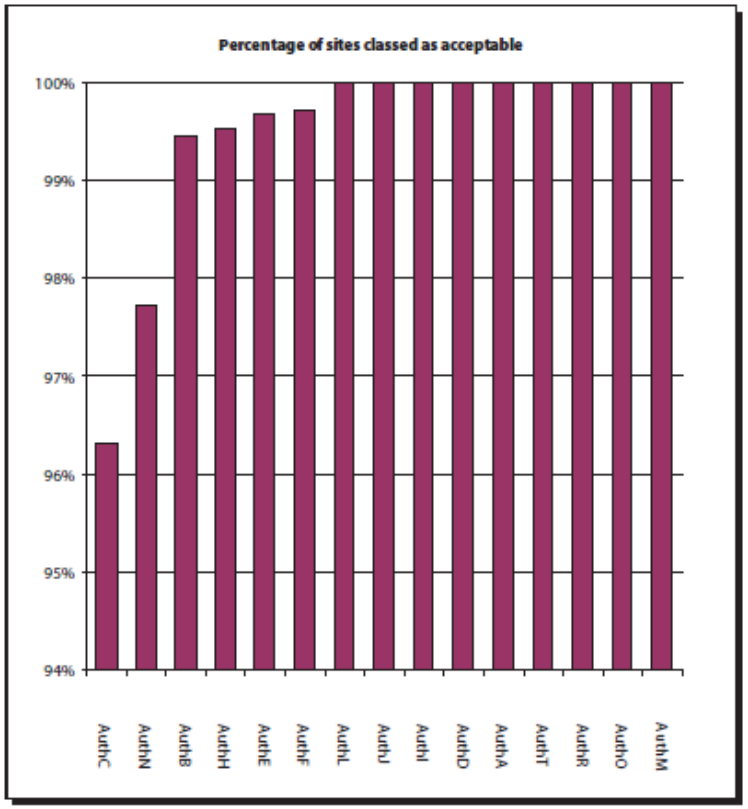
LAMS grounds maintenance PI standings

Family group **H1/2/3**

Performance indicator	Number in group	Highest in group	Average for group	Lowest in group	Your output/score	Standing in group	Top quartile mark	Quartile achieved	Ten percentile mark	High / Low / Neutral
PI L02 - Percentage of sites classed as acceptable (grounds maintenance)	17	100.00%	95.32%	87.41%	100.00%	1	99.18%	1	100.00%	H
PI L10 - Percentage of sites classed as acceptable (grass cutting)	15	100.00%	95.67%	87.07%	100.00%	1	100.00%	1	100.00%	H
PI L11 - Percentage of sites classed as acceptable (shrub bed maintenance)	13	100.00%	89.29%	70.59%	96.97%	5	98.92%	2	100.00%	H
PI L12 - Percentage of sites classed as acceptable (flower bed maintenance)	9	100.00%	94.90%	86.84%			100.00%		100.00%	H
PI L03 - Percentage of sites classed as acceptable (litter)	17	100.00%	95.84%	84.56%	100.00%	1	98.53%	1	99.33%	H
PI L04 - Percentage of sites classed as grade A (fly tipping)	17	100.00%	94.08%	80.88%	97.40%	6	98.67%	2	99.32%	H
PI L13 - Percentage of sites classed as grade A (fly posting)	16	100.00%	99.82%	98.68%	98.68%	16	100.00%	4	100.00%	H
PI L05 - Percentage of sites classed as acceptable (dog fouling)	17	100.00%	99.52%	96.92%	100.00%	1	100.00%	1	100.00%	H
PI L06 - Percentage of sites where bins were overflowing	17	13.04%	4.39%	0.00%	5.41%	13	0.93%	3	0.00%	L
PI L07 - Percentage of sites containing bins classed as acceptable (bin structure)	15	100.00%	94.93%	78.72%	93.94%	9	100.00%	3	100.00%	H
PI L08 - Percentage of sites containing bins classed as acceptable (bin cleanliness)	15	100.00%	95.33%	78.72%	87.50%	14	100.00%	4	100.00%	H
PI L09 - Percentage of sites classed as unacceptable (hard surface weeds)	17	42.54%	13.28%	0.00%	4.41%	6	3.45%	2	1.97%	L

PI L05 Percentage of sites classed as acceptable (dog fouling)

	Percentage of sites acceptable
Average	99.49%
Lowest	96.32%
Highest	100.00%



Source data

[GPAGDO]

Acceptable parameters: >0

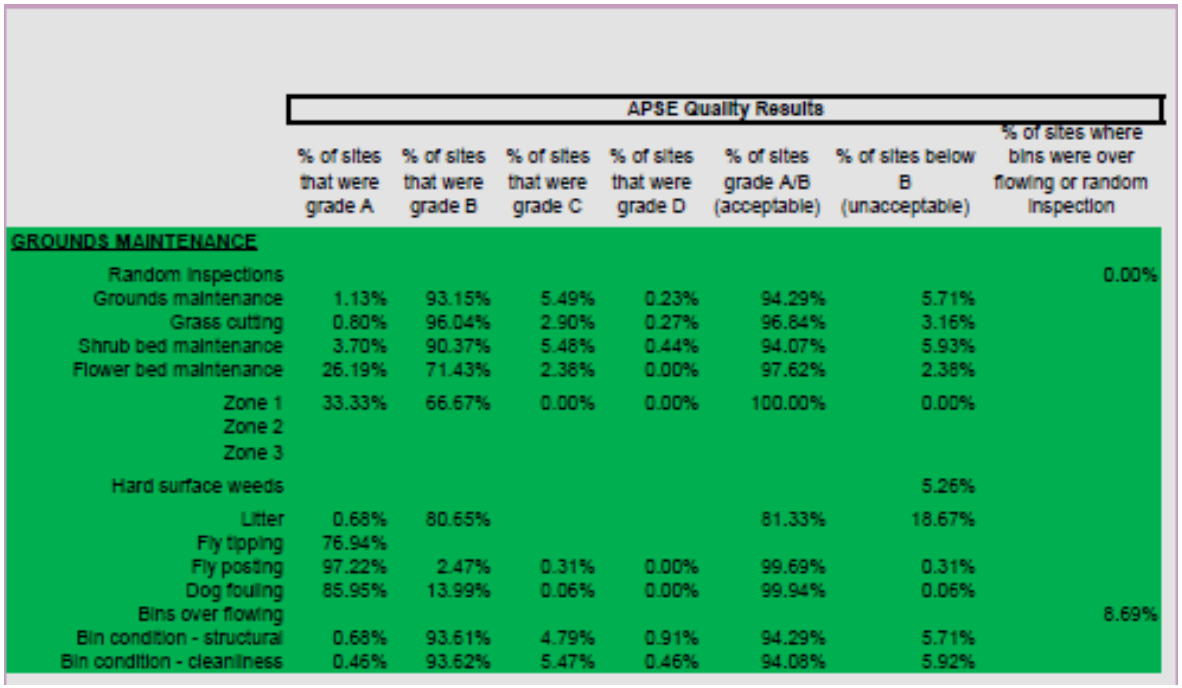
LAMS (Land Audit Management System)

Sample Authority

	N° of inspections recorded												
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
GROUNDS MAINTENANCE													
Random inspections	292	315	269	259	230	325	310	342	307	321	269	296	3,535
Grounds maintenance	292	315	269	259	230	325	310	342	307	321	269	296	3,535
Grass cutting	283	295	258	249	222	312	294	328	298	307	257	280	3,383
Shrub bed maintenance	54	70	53	65	39	52	47	57	52	55	55	76	675
Flower bed maintenance	5	2	1	5	3	7	5	4	3	2	0	5	42
Zone 1	0	0	0	0	2	0	0	0	1	0	0	0	3
Zone 2	304	317	270	264	245	324	319	347	311	338	274	299	3,612
Zone 3	4	13	5	9	6	11	2	10	13	7	10	12	102
Hard surface weeds	282	299	260	253	220	314	301	324	293	309	263	283	3,401
Litter	292	315	269	259	230	325	310	342	307	321	269	296	3,535
Fly tipping	292	315	269	259	230	325	310	342	307	321	269	296	3,535
Fly posting	291	314	267	256	230	324	308	342	307	320	268	295	3,522
Dog fouling	291	314	269	259	230	325	310	342	307	320	268	295	3,530
Bins over flowing	35	37	40	37	20	40	37	33	36	37	44	53	449
Bin condition - structural	33	37	39	36	20	39	38	33	35	35	44	49	438
Bin condition - cleanliness	33	37	39	36	20	39	38	33	35	35	44	50	439

Summary results and PI scores

	Grades for year				Y/N responses	
	Grade A	Grade B	Grade C	Grade D	No	Yes
GROUNDS MAINTENANCE						
Random inspections	-	-	-	-	3,535	0
Grounds maintenance	40	3,293	194	8	-	-
Grass cutting	27	3,249	98	9	-	-
Shrub bed maintenance	25	610	37	3	-	-
Flower bed maintenance	11	30	1	0	-	-
Zone 1	1	2	0	0	-	-
Zone 2	38	3,189	192	193	-	-
Zone 3	1	96	2	3	-	-
Hard surface weeds	76	3,146	172	7	-	-
Litter	24	2,851	607	53	-	-
Fly tipping	2,720	637	178	-	-	-
Fly posting	3,424	87	11	0	-	-
Dog fouling	3,034	494	2	0	-	-
Bins over flowing	-	-	-	-	410	39
Bin condition - structural	3	410	21	4	-	-
Bin condition - cleanliness	2	411	24	2	-	-



	APSE Quality Results						
	% of sites that were grade A	% of sites that were grade B	% of sites that were grade C	% of sites that were grade D	% of sites grade A/B (acceptable)	% of sites below B (unacceptable)	% of sites where bins were over flowing or random inspection
GROUNDS MAINTENANCE							
Random inspections							0.00%
Grounds maintenance	1.13%	93.15%	5.49%	0.23%	94.29%	5.71%	
Grass cutting	0.80%	96.04%	2.90%	0.27%	96.84%	3.16%	
Shrub bed maintenance	3.70%	90.37%	5.48%	0.44%	94.07%	5.93%	
Flower bed maintenance	26.19%	71.43%	2.38%	0.00%	97.62%	2.38%	
Zone 1	33.33%	66.67%	0.00%	0.00%	100.00%	0.00%	
Zone 2							
Zone 3							
Hard surface weeds						5.26%	
Litter	0.68%	80.65%			81.33%	18.67%	
Fly tipping	76.94%						
Fly posting	97.22%	2.47%	0.31%	0.00%	99.69%	0.31%	
Dog fouling	85.95%	13.99%	0.06%	0.00%	99.94%	0.06%	
Bins over flowing							8.69%
Bin condition - structural	0.68%	93.61%	4.79%	0.91%	94.29%	5.71%	
Bin condition - cleanliness	0.46%	93.62%	5.47%	0.46%	94.08%	5.92%	

Summary | Q1 | Q2 | Q3 | Q4 | Ward results | Land type results | Area results | Site type results

Play inspection Management System (PIMS)

App for Children's playgrounds to assess;

- Asset survey (playground-wide)
- Equipment inspection survey (per piece of equipment)
- Play value (playground-wide)
- Quality survey (playground-wide)

With the principle that you would use any number of the four fields available as and when required by your service.

On opening the app, login with the email and password you have been set up with.

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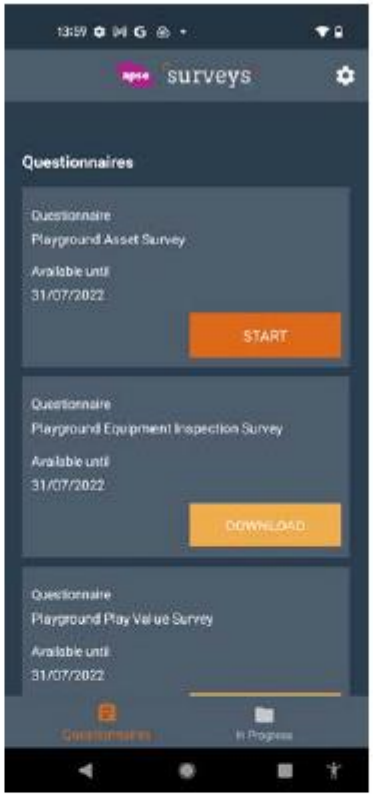
The Questionnaires list populates with the PIMS Inspections assigned to you.



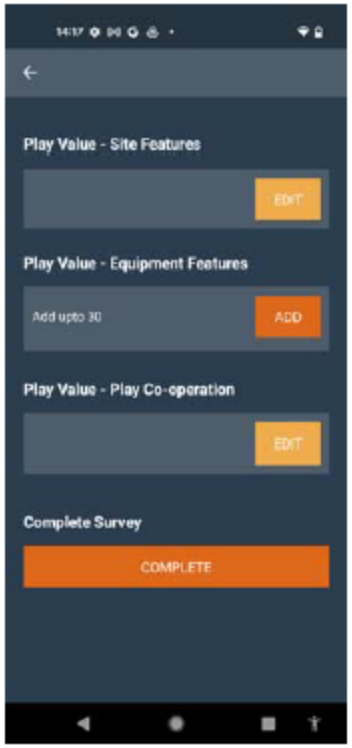
Clicking the 'Download' button downloads that survey to your device for completion, changing to a 'Start' button on completion of the download.

Select the 'Start' button to commence your inspection.

Address is populated by your device – you must have location services on and accept the apps use of them.

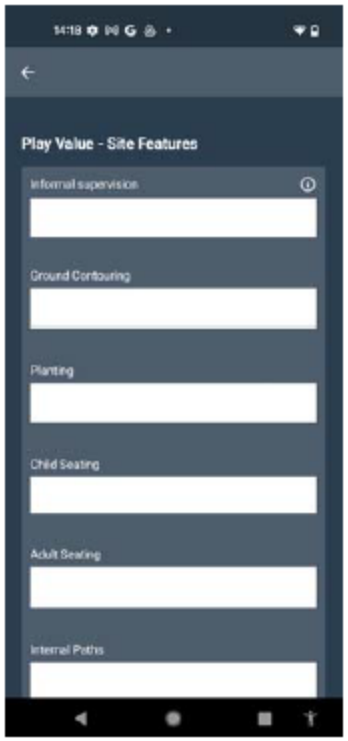
If working from a list this will populate with the list location.

Amend if required and click continue



Where a survey has multiple items to survey you can add these in and upto 30 different items of equipment can be entered for each location.

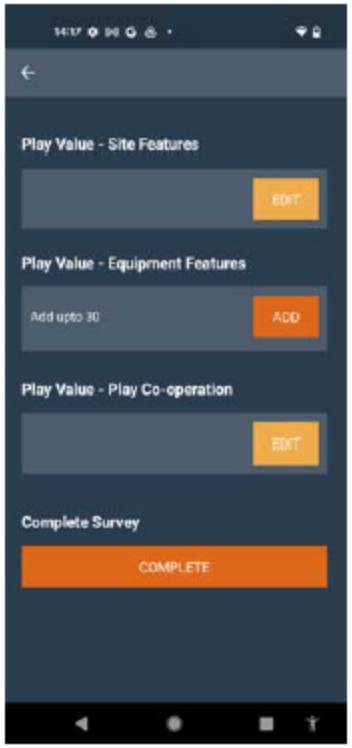
Select 'Add' to add an inspection for one item of equipment.



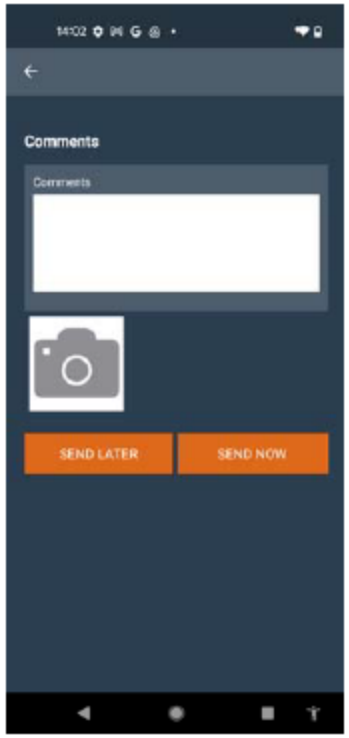
Answer the questions as required.

The 'Play Value' survey contains three scorecard PDF's to help you generate the score. To access these simply touch on the ⓘ symbol.

Scroll down and continue the inspection adding any images.



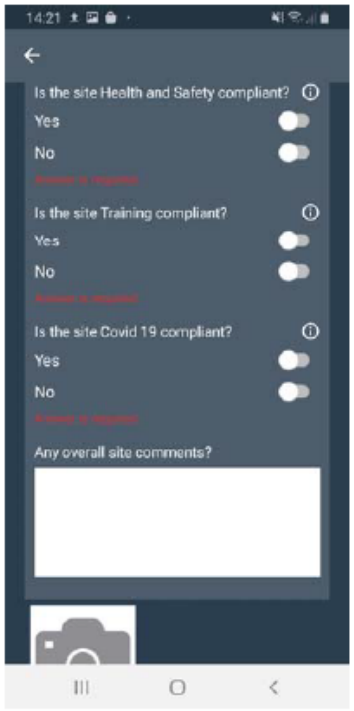
Continue to complete each section until done and then hit 'Complete' on the bottom of this screen when all done.

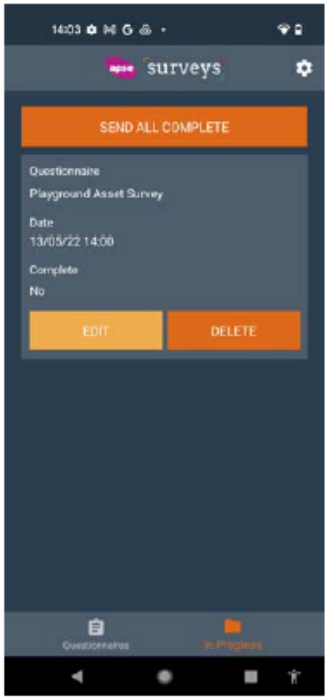


Complete your Inspection with adding comments and images if desired.

Clicking 'Send Later' saves your inspection for sending later – over Wifi maybe.

Clicking 'Send Now' sends your completed Inspection off to the LA for Review.





If you haven't completed everything that is required it tells you so and highlights the missing fields.

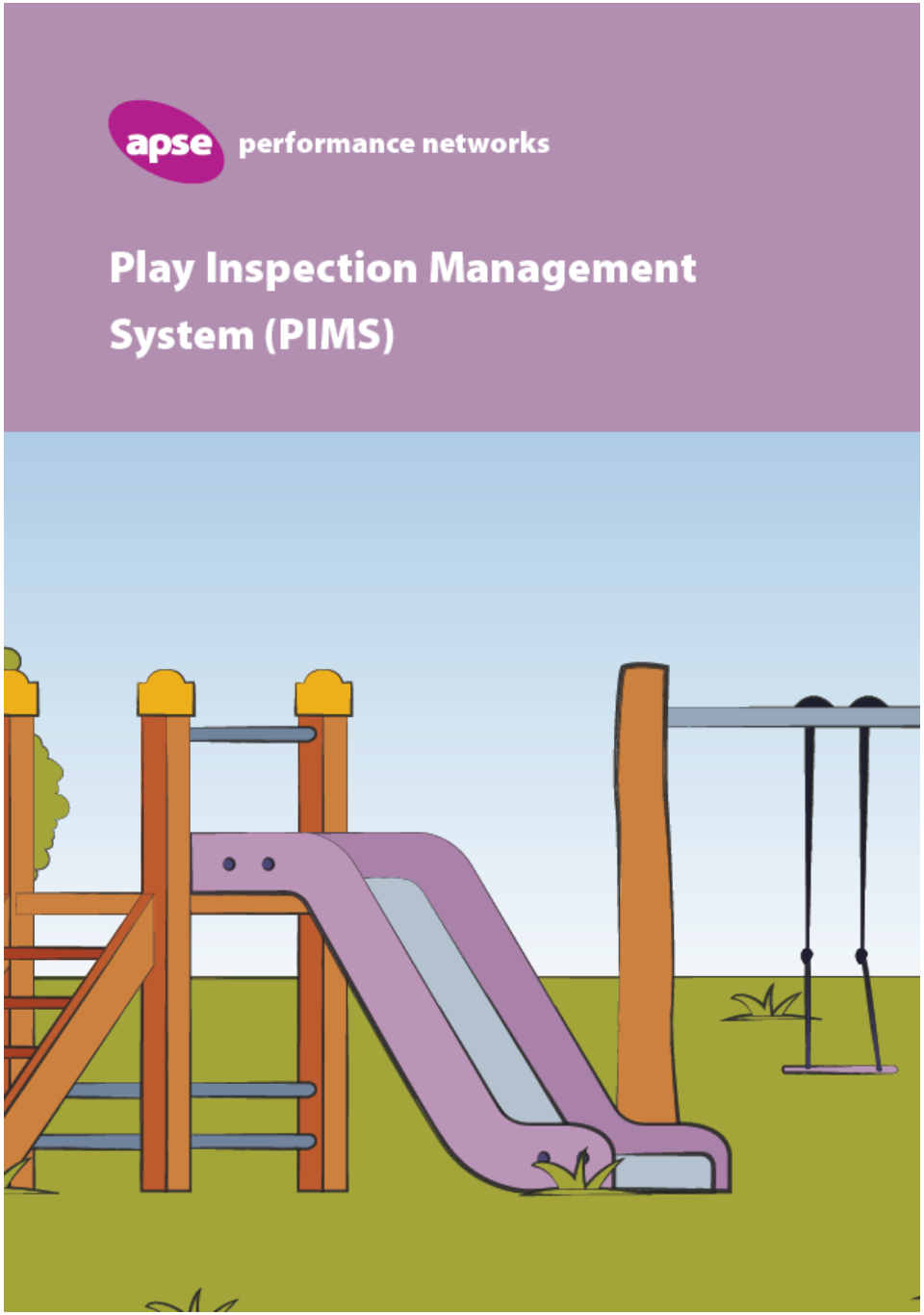
To Send Later or finish In Progress Inspections, tap the 'In Progress' tab from the Welcome & Surveys screen.

Any unsent Inspections are listed here.

Click 'Edit' to go through to Complete and Send.

Click 'Delete' to remove it completely.

Click 'Send all complete' to send all complete ones in one go.



What's the cost?

£600 per year per authority.

Includes training

Unlimited users

12 councils signed up to date.

Must be members of PN for Parks.

Next steps:

- Field test the App

  4 councils piloting this:

  - East Ayrshire Council
  - East Riding of Yorkshire
  - Eastleigh Council
  - Highland Council
- Rollout –Winter 2022

Contact details

Debbie Johns, Head of Performance Networks

Email: djohns@apse.org.uk

Mobile: 07834 334193

Association for Public Service Excellence
2nd floor Washbrook House, Lancastrian Office Centre, Talbot Road,
Old Trafford, Manchester M32 0FP.
telephone: 0161 772 1810
fax: 0161 772 1811
web:www.apse.org.uk

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