

Track Changes Reasons

ODK XForms spec

See <https://opendatakit.github.io/xforms-spec/#audit-attributes> for existing audit attributes.

``odk:track-changes-reasons``: only valid value is ``“on-form-edit”``. Attribute is not required and has no default value.

If set to ``“on-form-edit”`` and a user makes changes to data in a form session when `[`odk-instance-first-load`]` (<https://opendatakit.github.io/xforms-spec/#event:odk-instance-first-load>) was not fired, the client must ensure that the user provides a single string representing the reason for those changes before the end of the session.

If the user makes any change to data during the form session, the client will ask for a reason for change on session end. This is the case even if the instance XML after the form session is identical to the instance XML before the form session.

The client must write the string to the audit log in the ``change-reason`` column for the ``change reason`` event as described in [the audit log spec] (<https://opendatakit.github.io/xforms-spec/client-audit-logs>).

Audit log spec

If tracking of reasons for change is configured by the form definition (see [audit attributes] (<https://opendatakit.github.io/xforms-spec/#audit-attributes>)), the audit log CSVs generated by the client must include the following column:

- ``change-reason``: a user-supplied string representing the reason for a value change. Only applies to ``change reason`` events.

Each time a change reason is requested by the client, the audit log CSVs must include this event:

- ``change reason``: The user has been prompted to provide a reason for change(s) they have made to a previously-saved form.

XLSForm spec

``track-changes-reasons`` is allowed in the parameter column of the row with type ``audit``. ``on-form-edit`` is the only valid value.

pyxform spec

Error if the value for `track-changes-reasons` is not `on-form-edit`.

Collect

On form exit, Collect will show an “Enter reason for change” dialog if all the following are true:

1. `track-changes-reasons` is set to `on-form-edit` in the form definition
2. The `odk-instance-first-load` event was not fired at the beginning of this form session
3. The user has explicitly changed (e.g., we ignore calculates) one or more values at some point in this form session (even if all changes were subsequently reverted)
4. The user has tapped “Save Form and Exit” or tapped the back button and “Save Changes”
5. Logic re-computation (including constraint checking if required) has completed successfully

The dialog has two buttons: Cancel and Ok.

- When Cancel is tapped, the dialog is dismissed
- When Ok is tapped, the reason for change is written to the audit log, the dialog is dismissed, encryption is performed if required, and the form is closed.

Notes

There is no way to represent coded change reasons (i.e. giving the user a list of reasons to choose from) because the feature is configured by a single attribute.

Briefcase can pull incomplete submissions from the SD card directly without finalization (and thus a reason for change).

Identify user spec

The identify-user spec has moved [here](#)