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6-22-2020

Improving Access to Standards

Susan B. Wainscott
University of Nevada, Las Vegas, sue.wainscott@unlv.edu

Richard Zwiercan
University of Nevada, Las Vegas, richard.zwiercan@unlv.edu

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AT HOME WITH ENGINEERING EDUCATION

ASEE
AMERICAN SOCIETY FOR ENGINEERING EDUCATION

JUNE 22 - 26, 2020

Asee's Virtual Conference

#ASEEVC

Improving access to standards

Susan Wainscott - Engineering Librarian &
Richard Zwiercan - Art, Architecture & Design Librarian

University of Nevada, Las Vegas

ASEE'S VIRTUAL CONFERENCE #ASEEVC

Our framework for providing standards through the library

- Standards are useful for many projects, and many people.
- More library workers needed to know about standards.
- Cost effective and timely to even the playing field.

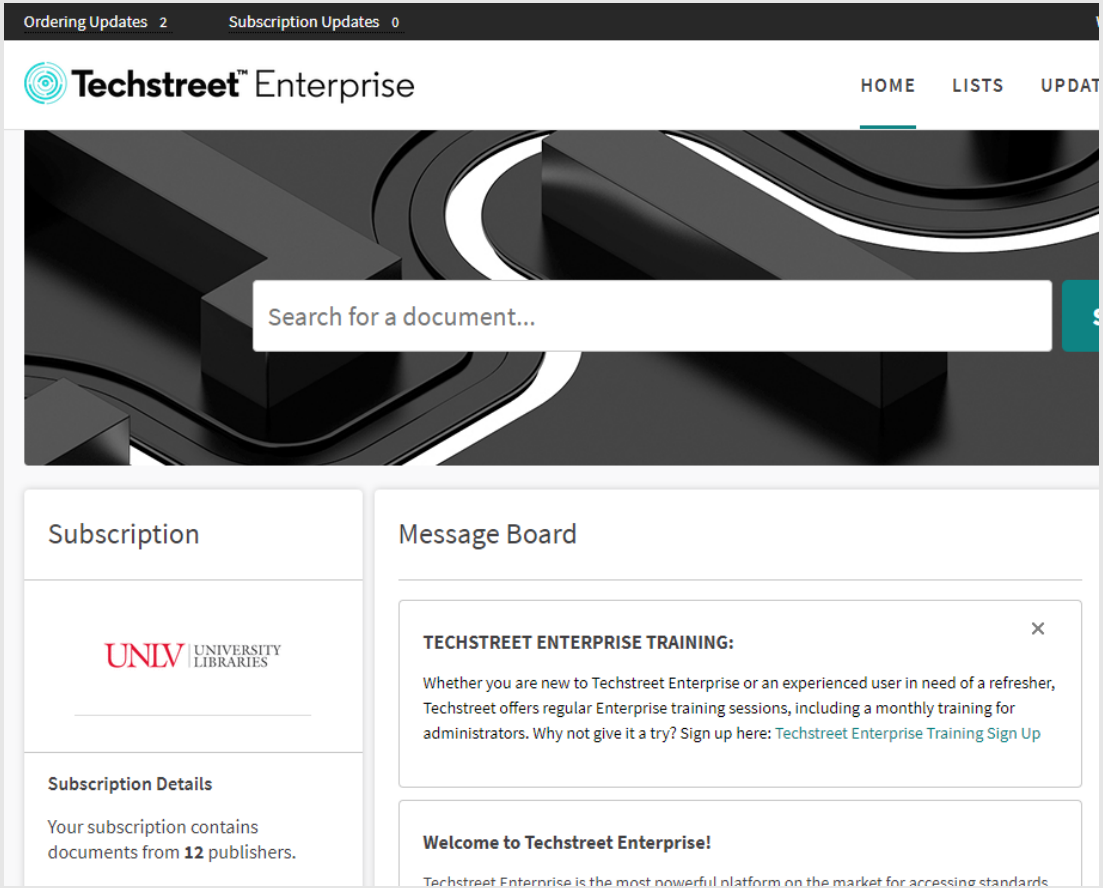
Goals and Expectations

In order to increase rate of request fulfilment we would:

1. Build upon existing tools and workflows
2. Add an aggregator
3. Increase staff and patron outreach

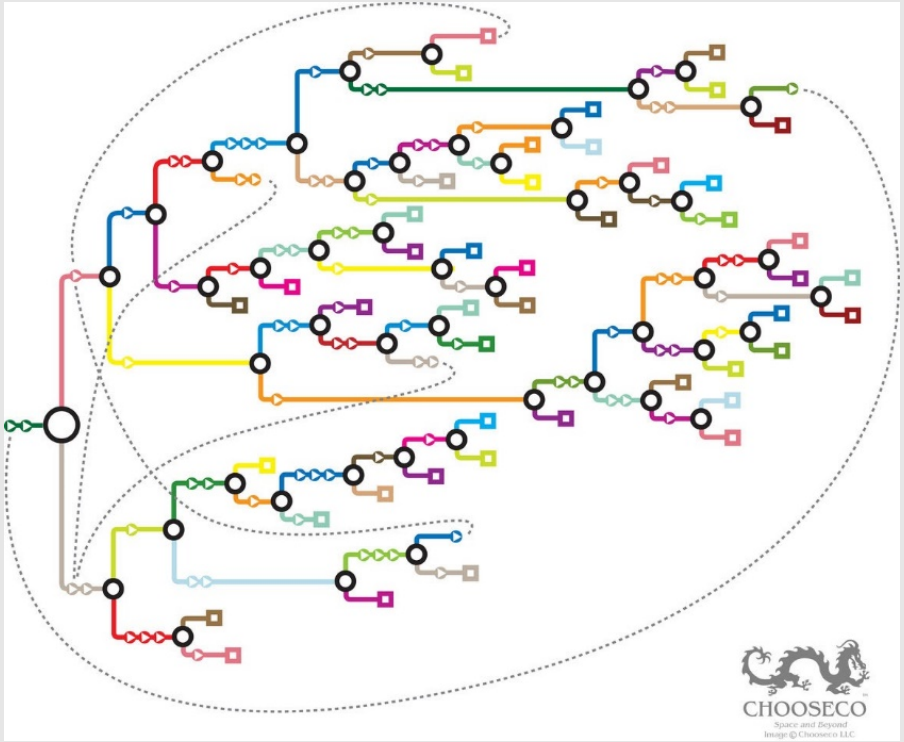
Expectations

1. After outreach to faculty, staff, and students
   - more use of the standards collection
   - more requests for standards
2. After add aggregator and outreach to Interlibrary Loan staff
   - increase in successful request fulfilment



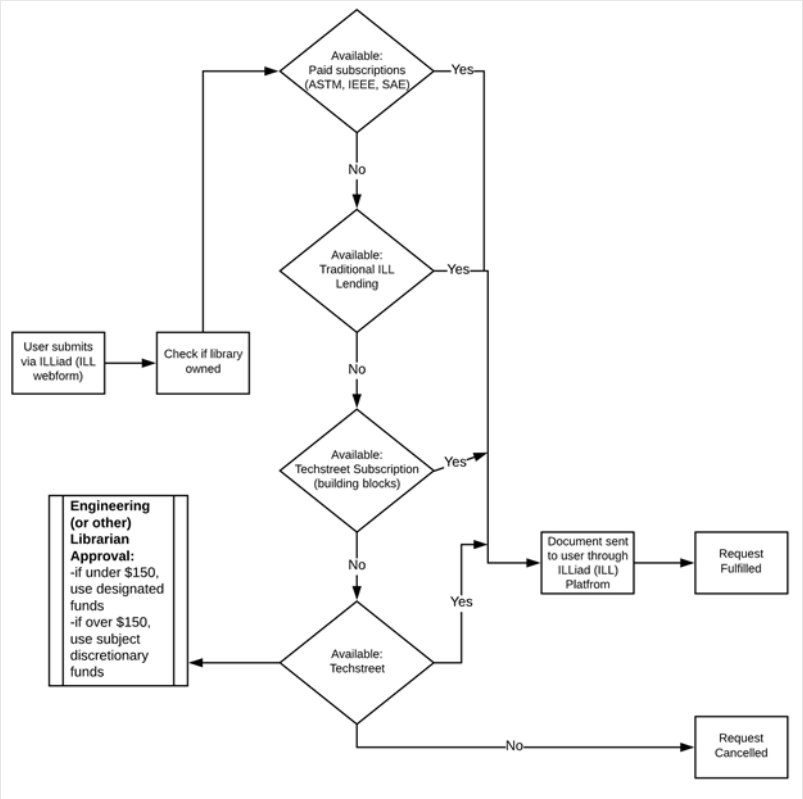
We selected the Techstreet aggregator product, now part of the Clarivate product group.

Our resulting set of workflows was like a *Choose your own adventure* story

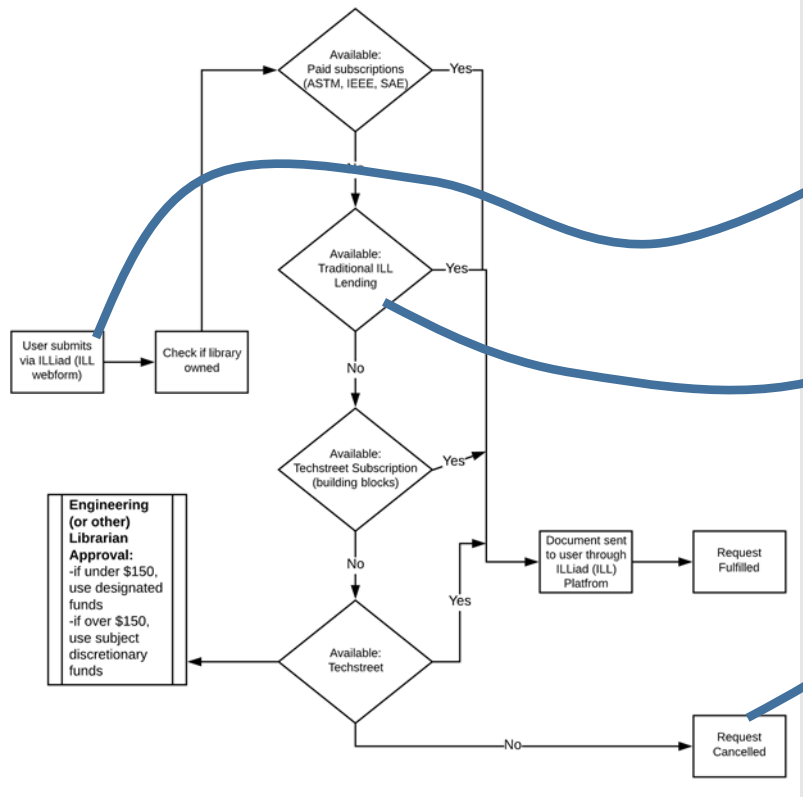


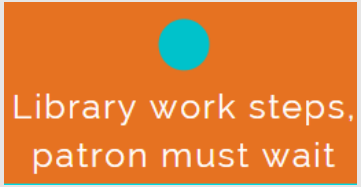
https://www.atlasobscura.com/articles/cyoa-choose-your-own-adventure-maps

Figure 1. Interlibrary loan request workflow



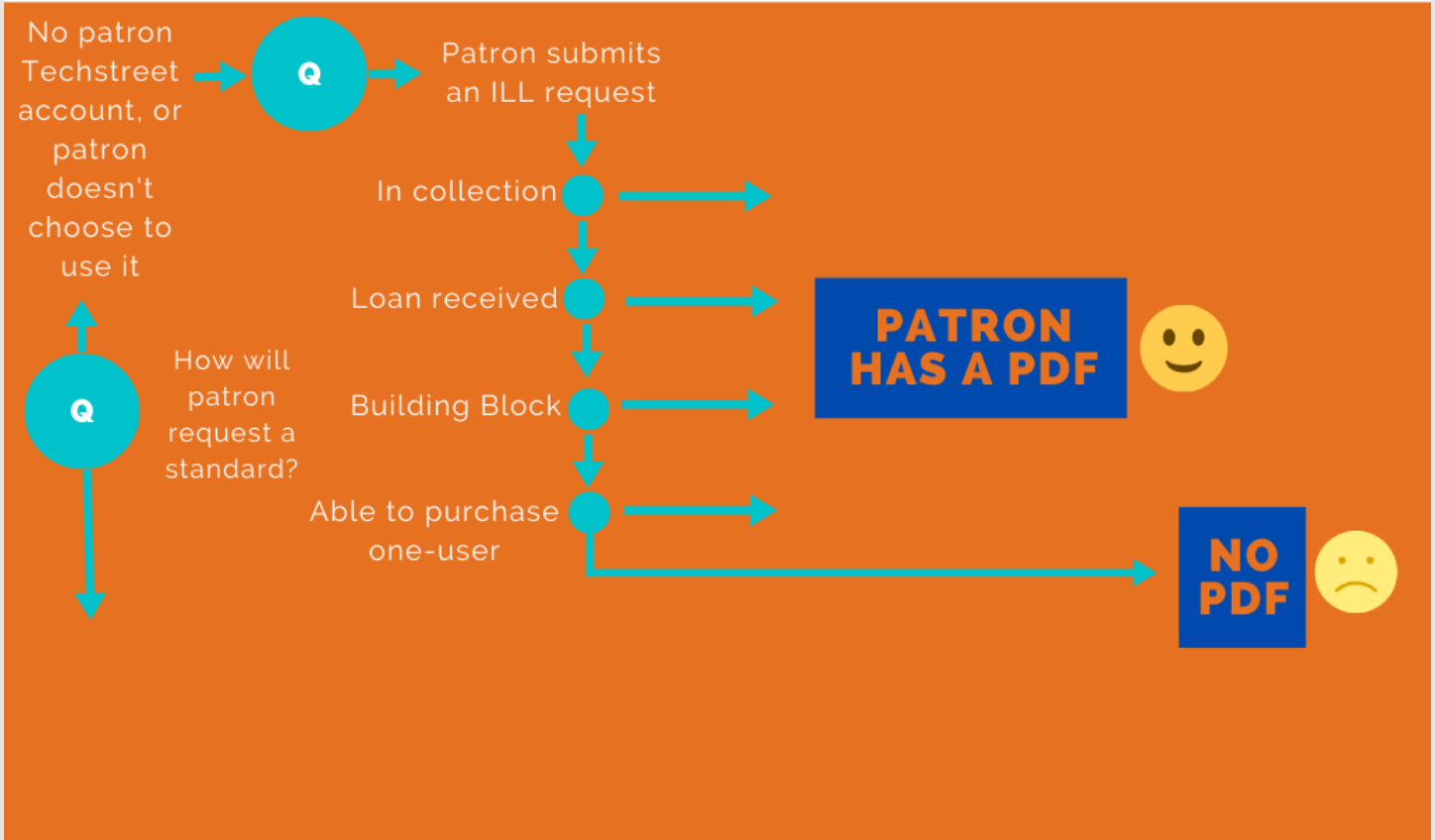
Workflow symbols for choose your adventure





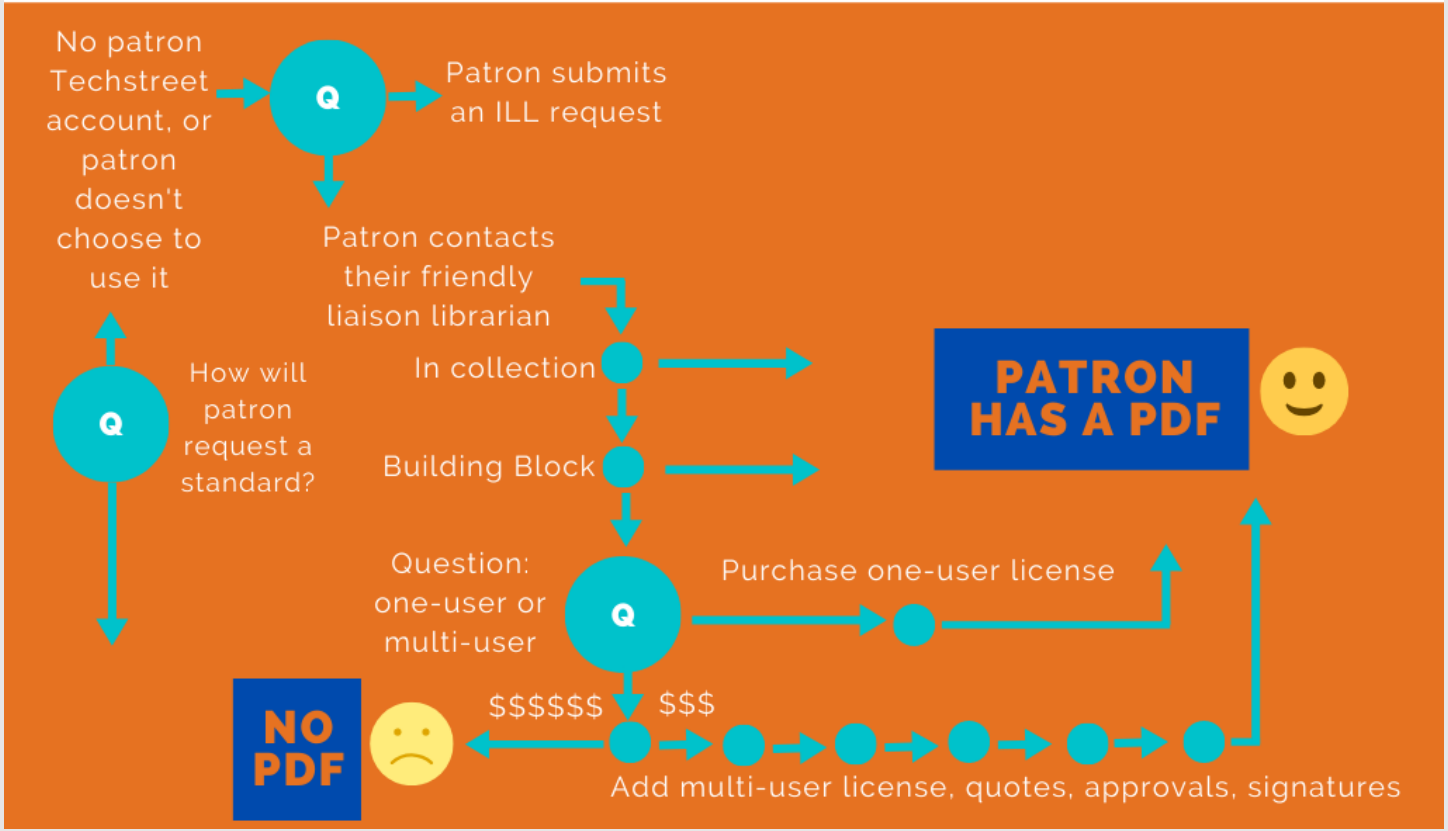
INTERLIBRARY LOAN REQUEST

Patron uses any request template in our ILLIAD system



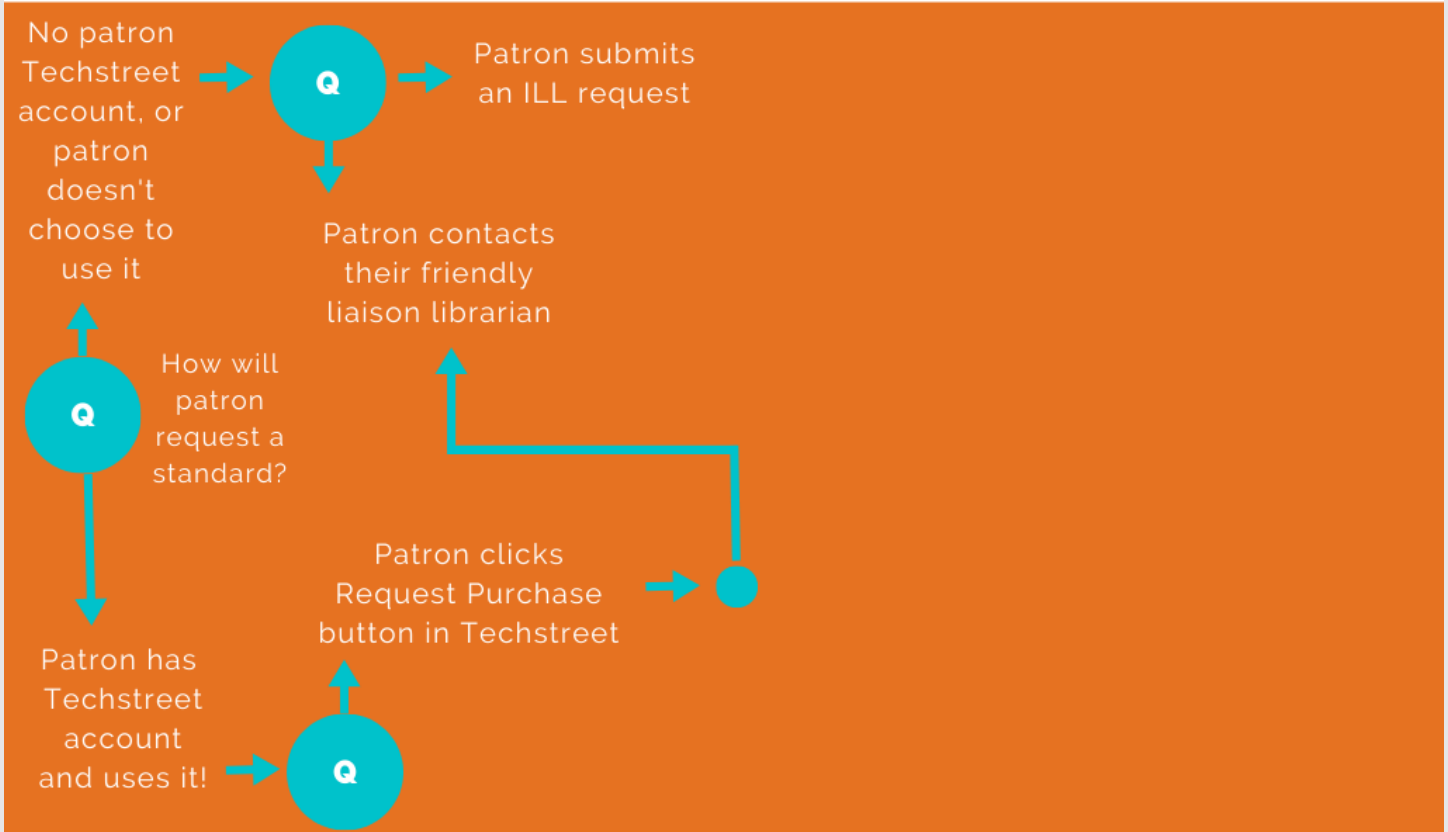
CONTACT A LIBRARIAN REQUEST

Patron communicates with a library worker, often their liaison librarian

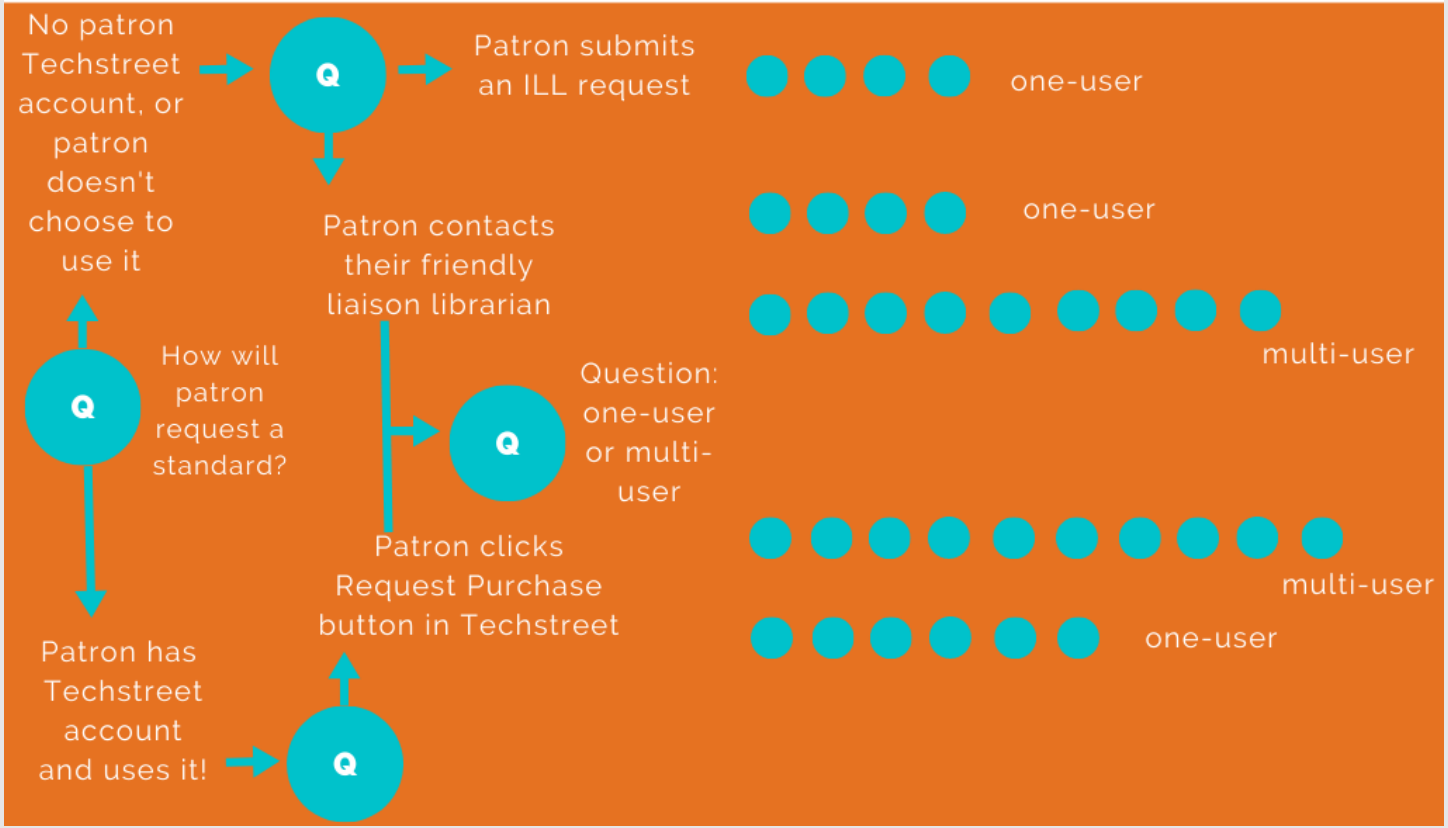


TECHSTREET PURCHASE REQUEST

Patron has a Techstreet account and uses the Request Purchase button for a standard



WORKFLOW COMPARISON



Discovery: Can library workers and patrons locate what we already have?

Created by kiddo
from Noun Project

Table 1. Consolidated subscribed standards use data

SDO	2015	2016	2017	2018
IEEE (IEEE Xplore)	88	67	143	34
ASTM (ASTM Digital Library)	0	120	83	1268
ASTM	0	10	48	0
ACI	0	0	0	0
ISO	0	10	0	0
AWWA	0	0	0	2
ASHRAE	0	0	0	2
AASHTO	0	15	6	1
NFPA	0	0	0	1
DIN EN ISO	0	0	1	0
NEMA	0	0	3	0
BS EN	0	2	0	0
BS	0	2	0	0
ISO/TR	0	2	0	0

Table 2. ILL fulfillment rate 2012-2018

Year requested	Requests	Standards	Fulfilled or Found
2012	12,161	7	2
2013	10,892	7	2
2014	9,154	7	3
2015	10,015	5	1
2016	8,803	18	12
2017	9,700	19	15
2018	8,892	12	5

Conclusions and next steps

- Remove pre-paid tokens from workflows/outreach
- Interlibrary loan requests unless multi-user license needed
- Evaluate direct-from publisher for items used in courses
- Recommend single-item cataloging for all multi-user licensed items
- Support industry-wide standards metadata creation for discovery
- Continue outreach for patrons
- New round of outreach to library staff

Thank you!

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- Our anonymous reviewers for very helpful comments and critiques.
- Our colleagues at UNLV Libraries, including the current lead for our interlibrary loan service, Yuko Shinozaki, and our head of continuing resources, Cory (James) Tucker.
- You, for watching our presentation.

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JUNE 22 - 26, 2020

At Home with Engineering Education

Live Q & A

Monday, 22 June 2020
11:40 a.m. - 12:00 p.m. (EDT = GMT-4)

Thank you for your time!

Sue (Susan) Wainscott, sue.wainscott@unlv.edu
&
Richard Zwiercan, richard.zwiercan@unlv.edu