Armory 201 – Conflict Checking Using the Complex Search Form

Presented by Yehuda ben Moshe Elmet Herald

1

Prerequisites

- A thorough understanding of the conflict rules and how to conflict check with the Ordinary Index
- Students are encouraged to review Armory 103 and 104, as well as SENA A5 prior to this class

2

Review

- Remember to always look for SCs first, before counting DCs!
- Any one SC will clear the device
 - Type
 - Number
 - Arrangement
 - Posture/Orientation
 - (Adding/removing a primary charge group)

_	
1	L

Review

- · Any two DCs will clear the device
 - Field
 - Adding/removing a charge group
 - Tincture within a charge group
 - Type
 - Number
 - Arrangement
 - Posture/Orientation

4

Where

- All SCA-registered armory (and names) are located in the database known as the Ordinary and Armorial
- · oanda.sca.org
- Different ways to search complex search form

5

Warning

- Do NOT use the blazon pattern search for conflict checking. You WILL miss conflicts that way
 - Simple text search
 - Consider conflict checking a "dog"
 - Need to also check for "talbot", "wolf", "greyhound", "fox", etc.
- Only use Ordinary index and Complex Search form for conflict checking

Background

- Complex Search Form is actually just a way to run multiple searches at once
- While you can do different types of searches, we will be using only the Armory Description type of search
- When properly used, the complex search form will give the exact same results as the Ordinary Index – you'll get all actual conflicts and eliminate all non-conflicts
 - But the Complex Form is faster less to hand check

Background

- Every entry in the O and A is coded using a system of armory descriptions
- An armory description is comprised of a category and zero or more features
- Example: CAT:3:primary:rampant to dexter:or
 - CAT is the category
 - 3, primary, rampant to dexter, or are all features
- Categories are all-capital letters, features are all lower case

Background

- NOTE: not all entries in the O and A are fully coded
 - All have categories, but not all features are fully entered
 - More recent registrations are more likely to be fully coded
 - Older registrations are being re-coded by Morsulus
 - Items that are not fully coded will show up unexpectedly, but you will not miss a conflict because of them

Background	Bacl	kgro	und
------------	------	------	-----

- To see examples of coding, perform a Blazon Pattern Search and set "Armory descriptions" to "enabled"
 - Remember: Don't conflict check with the Blazon Pattern Search

10

my.cat

- All codes are defined in a file located on the O and A site:
 - http://oanda.sca.org/my.cat
 - Some computers have trouble displaying this file if so, save it and rename it as a .txt file, then open in a text editor
- This is an automatically generated file that shows all categories and features, as well as their relationships to eachother
- It does not, however, show how they are used

1

my.cat

- The file has three main sections
 - Features
 - Categories
 - Cross-references
- We will look at them in reverse order

л
4

my.cat

- Cross-references
 - The bottom part of the file contains all of the cross-references
 - These are the same as the "see X" entries in the Ordinary Index
 - One way to find codes is to do a search in the file (Ctrl-F on most PCs) and look for your text

13

my.cat

- Cross-references
 - Example: suppose we have a device with a yak on it.
 - Perform a search for "yak" and we will find the following: "yak see beast, bull"
 - This is a cross-reference
 - We should now search for "beast, bull" to find the actual category

1

my.cat

- Categories
 - Categories show how the Armory Description is coded
 - Remember categories are always capitalized
 - Example: continuing from above
 - Searching for "beast, bull" finds the following line:
 - "beast, bull|BEAST-BULL AND BISON"
 - This tells us that "BEAST-BULL AND BISON" is the coding for a Yak (and other bull-type creatures)

m	٧.	ca	t

Categories

 A category will always have a lower case "plain English" term, followed by a pipe symbol ("|") followed by the all-capital category code

16

my.cat

Features

- Features are organized into feature groups
 - Feature groups don't appear anywhere other than in my.cat
 - They are used internally by the system
 - Features are compared only to other features in the same group
 - For example, the features in the feature group "posture", such as rampant, statant, etc. will only match other features in the "posture" group

17

my.cat

• Features

- Features always start with a pipe character, then the feature group, then a colon, then the feature
 - |posture:passant
- Features can also be included in other features
 - | posture:passant to dexter<passant
 - This means that "passant" will also match "passant to dexter"

my.cat

- Features
 - These are not subsets
 - |number:4<4 or fewer<4 or more<2 or more
 - This means that "2 or more", "4 or more", "4 or fewer" will all match "4"
 - It does not mean that "4 or more" will match "2 or more"
 - They only describe what will match to the left most item

19

Matching

- The complex search form tries to match each line of the search to the description of the registered armory
- The system doesn't actually look for a match it looks for a mismatch
 - This is very important to understand

20

Matching

- Consider "Gules, a lion Or" as a registered item
- The lion in this entry might be encoded as:
 - CAT:or:1:spa:rampant to dexter
 - CAT is the category
 - "or" is a feature in the "tincture" group
 - "1" is a feature in the "number" group
 - "spa" (single primary alone on the field) is a feature in the "group" group
 - "rampant to dexter" is a feature in the "posture" group

Matching

- Suppose we are trying to conflict check "Vert, a lion argent"
- We might try the following searches
 - CAT:1
 - The system first checks that the category is present
 - It then notices that the feature is "1" and that that feature is in the "number" group
 - Next, it checks that the registered item has a feature in the "number" group which it does
 - Finally, it checks if the features match they do, so this search is a match

22

Matching

- Suppose we are trying to conflict check "Vert, a lion argent"
- We might try the following searches
 - CAT:argent
 - The system first checks that the category is present
 - It then notices that the feature is "argent" and that that feature is in the "tincture" group
 - Next, it checks that the registered item has a feature in the "tincture" group which it does
 - Finally, it checks if the features match they don't, so it's a mismatch

2

Matching

- Suppose we are trying to conflict check "Vert, a lion argent"
- Suppose we make an error, and misspell argent
 - CAT:arget
 - $\bullet\,$ The system first checks that the category is present
 - It then notices that the feature is "arget" but that this doesn't belong to any feature group
 - Since it is not part of a feature group, it is ignored
 - Since the system looks for mismatches, not matches, this returns a match

M	a	tc	h	iı	าย
	ч	··			-رי

- · Suppose we are trying to conflict check "Vert, a lion argent"
- Suppose we make an error, and use a totally wrong (but valid) feature
 - CAT:naiant
 - The system first checks that the category is present
 - It then notices that the feature is "naiant", which belongs to the "fish_posture" group
 Next, it checks that the registered item has a feature in the "fish_posture" group but it doesn't

 - That group isn't present, so this feature is ignored.
 - Since the system looks for mismatches, not matches, this returns a match

Matching

- Suppose we are trying to conflict check "Vert, a lion argent"
- Now, suppose the registered item is old, and not fully indexed. Instead of the full indexing we had above, it's just indexed as
- We try to search for "CAT:argent", a correct search
 - The system first checks that the category is present

 - It then notices that the feature is "argent", which belongs to the "tincture" group

 Next, it checks that the registered item has a feature in the "tincture" group but it doesn't
 - That group isn't present, so this feature is ignored.
 - Since the system looks for mismatches, not matches, this returns a

Matching

- What this means is that we get a mismatch only when the system is sure there is no match
 - Otherwise, the system returns a match

Finding Codes

- The category and feature codes are voluminous, and impossible to memorize
- They can be found in my.cat
 - Ctrl-F is your friend
- They can be found using the blazon pattern search form
 - Set "Armory descriptions" to "enabled"
 - Search for what you need and read the coding
 - REMEMBER: Do not conflict search with this form

28

Using the form

- The complex form has 10 lines into which searches can be entered
- Each line can be assigned a "weight" and can be assigned the type of search
 - By default, all lines get a weight of "1" and an "armory description" search type
 - These defaults are exactly what we want, do not change them unless you know what you are doing
- Any line where nothing is entered into the "pattern" box is ignored completely

29

Using the form

- When the search is run, each line is assigned a value, equal to the "weight" of that line if the search matches, or 0 if the search doesn't
- Therefore, if we use five lines, and all five lines match, the score will be 5. If three lines match, the score will be 3.

Using the form

- The goal is to have each line be worth exactly one DC
 - That way, if the line doesn't match, it means we have one DC
 - If the line matches, it means either that that DC isn't present, or that the system couldn't tell for sure

31

Using the form

- In this way, if the maximum score (number of lines) is n, we can ignore any results with a score of n-2 or less – they are guaranteed to have at least 2 DCs
- Any result with a score of n or n-1 needs to be hand-checked
 - These might be conflicts
 - They might be clear but not properly indexed
 - They might have DCs for things not easily coded, such as arrangement

32

Constructing Search

- Identify all charge groups
 - Including all details that are worth DCs
- · Use one line to code field
 - Since only one DC is possible from the field, we want to use only one line
- Use as many lines as possible to code primary group
 - We want to generate as many DCs as possible

1	1

Constructing Search

- Use one line for each of the other charge
 - Multiple DCs are possible, so it is tempting to use multiple lines
 - However, removing a charge group entirely is worth only one DC, so if we use multiple lines and the group is removed, we'd get too many DCs

- Sample

 Blazon: Per pale azure and gules, a lion and on a chief indented Or, three escallops gules.
 - Field: Per pale azure and gules, plain line
 - Primary charge group: lion, 1, Or, rampant
 - Secondary charge group: chief, 1, Or, indented line
 - Tertiary charge group: escallop, 3, gules, in fess



Sample

- Search
 - PPALE:azure:~and gules:pl
 - CAT:1:primary
 - CAT:or:primary
 - CAT:rampant to dexter:primary
 - CHIEF:or:jagged:1:secondaryESCALLOP:3:gules:tertiary



Practice

- Blazon: Per bend argent and Or, a tower and a chief gules.
- Field: per bend argent and Or, plain line
- Primary charge group: Tower, 1, gules
- Secondary charge group: Chief, 1, gules, plain line



Practice

- Search:
 - − PBEND:argent:~and Or:pl
 - CASTLE:1:primary
 - CASTLE:gules:primary
 - CHIEF:gules:pl:unc



Practice

- Blazon: Argent, three axes gules
- Field: Argent
- Primary charge group: Axe, 3, gules, palewise, to chief, 2 and 1
- · No other charges



1	3

Practice

- Search:
 - -AR
 - AXE:3:g3pa
 - AXE:gules:primary



Split-Type Charge Groups

- When a charge group has two types, they must be checked separately
- Trying to check in one search will miss conflicts
- (Note: There is an advanced technique that can be used to do this in one search, but it is not covered in this class)

41

Practice

- Blazon: Per fess Or and argent, a fret couped purpure and a goutte vert. (or goutte d'huile)
- Field: Per fess Or and argent, plain line
- Primary charge group: Fret, 1, purpure AND Goutte, 1, vert



Practice

- Incorrect search:
 - PFESS:pl:or:~and argent
 - FRET:1:primary
 - FRET:purpure:primary

 - GOUTE:vert:primary
- Consider: "Per fess Or and argent, a fret purpure and a fret vert"
- What would the score



Practice

- Correct search 1:
 - − PFESS:pl:or:~and argent
 - FRET:g2pa
 - FRET:purpure:primary



Practice

- Correct search 2:
 - PFESS:pl:or:~and argent
 - GOUTE:g2pa
 - GOUTE:vert:primary



Fieldless Badges

- When something is fieldless, it uses the "NO" code for the field
- Do not use this code
- Simply skip the field, and only check things that have a maximum score – anything with a score of n-1 has one DC from search and the fieldless DC

46

Field Primary Armory

- I don't know of any good way to conflict check field primary armory this way
- I just go to the Ordinary and check the "Field only" and "Peripheral only" categories by hand

47

Pitfalls

- There is a pair of features "charged" (cha) and "uncharged" (unc).
 - Uncharged is very useful
 - Charged should be avoided
 - Consider "Or, a lion sable, on a chief gules a sword argent"
 - We can code it as:
 - ORCHIEF:gules:cha
 - SWORD:argent:1:tertiary
 - What if there is a registered "Or, a lion sable, a chief gules" how many DCs will the search show?
 - (I will use "charged" when the tertiaries are split-type, and not code the tertiary group)

D	i+	fa	П	١
М	H	ıa	П	13

- Similarly, primary charges can be alone (spa, gpa, g2pa, etc.) and not alone (spna, gpna, g4pna, etc.).
 - Alone is very useful
 - "Not alone" should be avoided
 - Consider "Or, a lion sable between three swords gules"
 - We can code it as:

 - OR CAT:1:spna
 - SWORD:gules:3:secondary
 - What if there is a registered "Or, a lion sable" how many DCs will the search show?
 - (Again, I'll use "not alone" with split-type secondary groups and not code the secondary)

Summary

- Remember one line for field, as many as possible for primary, one per group for other groups
- For mixed groups, check both
- Avoid uncharged and not alone

Resources

- Article on using the complex form can be found here:
 - http://www.tanzos.net/~victoria/HeraldicEducatio <u>n/</u>

Final Thoughts

- Registerable vs. Authentic
 - A submission must be registerable; it need not be authentic
 - While we can encourage clients to design periodlooking armory, we cannot, and should not, force the decision
 - If a client is set on a registerable but not very authentic submission, you should process it!

52

Final Thoughts

- Customer Service
 - It is our job to help our clients
 - We are here to make registrations happen, not prevent them from happening
 - When consulting, help clients create registerable submissions *they* like
 - When commenting, look for reasons to allow registration, not prohibit it
 - Heralds want a reputation for being helpful, not obstructionist!

53

About me

- Elmet Herald I am the East Kingdom heraldic education deputy
- elmet@eastkingdom.org
- jgalak@gmail.com
- This handout can be found at:
 - http://elmet.eastkingdom.org